

DPI705E-IS

[BE] Сертыфікаты
[BG] Сертификати
[CS] Certifikáty
[DA] Certifikater
[DE] Zertifikate
[EL] Πιστοποιητικά
[EN] Certificates
[ES] Certificados
[ET] Sertifikaadid
[FI] Todistukset
[FR] Certificats
[HR] Certifikati
[HU] Tanúsítványok
[IS] Vottorð
[IT] Certificati
[JA] 適合証
[KK] Сертификаттар
[KO] 인증
[KY] Күбөлүктөр
[LB] Certificaten
[LT] Certifikatai
[LV] Sertifikāti
[MT] Ċertifikati
[NB] Sertifikater
[NL] Certificaten
[PL] Certyfikaty
[PT] Certificados
[RO] Certificate
[RU] Сертификаты
[SK] Certifikáty
[SL] Certifikati
[SV] Certifikat
[TG] Шаҳодатномаҳо
[TR] Sertifikalar
[UZ] Сертификатлар
[ZH] 证书



IECEX SIR 19.0003X

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- [JA] IECEX 適合証 (IECEX SIR 19.0003X) については、IECEX の Web サイトをご覧ください : www.iecex.com
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- [KO] IECEX 인증 (IECEX SIR 19.0003X)에 대한 내용은 IECEX 웹사이트(www.iecex.com)를 방문하십시오.
- [KY] Жарылууга кооптуу чөйрөлөр үчүн электр жабдууларын тастыктамалоо боюнча эларалык системасы сертыфікатын (IECEX SIR 19.0003X) алайын десеңиз, IECEX (Жарылууга кооптуу чөйрөлөр үчүн электр жабдууларын тастыктамалоо боюнча эларалык системасы сертыфікатын): www.iecex.com вебсайтына кириңиз.
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EU Declaration of Conformity

Product: DPI705E-IS
Name and address of the manufacturer: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the declaration: DPI705E-IS
The object of the declaration described above is in conformity with the relevant Union harmonisation legislation: 2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

The notified body CSA Group Netherlands (2813) performed an EU-type examination and issued the certificate: SIRA 19ATEX2014X

Additional information:
1. From 18 August 2024.

Signed for and on behalf of Druck Limited.

J. MacGregor (Senior Engineering Manager)

Groby, 13 August 2024

Place and date of issue.



ЕС Декларация за Съответствие

Продукт: DPI705E-IS
Наименование и адрес на производителя: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Настоящата декларация за съответствие е издадена на отговорността на производителя.

Предмет на декларацията: DPI705E-IS
Предметът на декларацията, описан по-горе, отговаря на съответното законодателство на Съюза за хармонизация: 2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Позоваване на използваните хармонизирани стандарти или позоваване на други технически спецификации, по отношение на които се декларира съответствие: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Нотифицираният орган CSA Group Netherlands (2813) извърши ЕС изследване на типа и издаде следния сертификат: SIRA 19ATEX2014X

Допълнителна информация:
1. От 18 август 2024 г..

Подписано за и от името на Druck Limited.

J. MacGregor (Старши инженерен ръководител)

Groby, 13 август 2024 г.

Място и дата на издаване.



EU Prohlášení o Shodě

Výrobek: DPI705E-IS
Jméno a adresa výrobce: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, Spojené království.

Toto prohlášení o shodě se vydává na výhradní odpovědnost výrobce.

Předmět prohlášení: DPI705E-IS

Výše popsaný předmět prohlášení je ve shodě s příslušnými harmonizačními právními předpisy Unie:
2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Odkazy na příslušné harmonizované normy, které byly použity, nebo na jiné technické specifikace, na jejichž základě se shoda prohlašuje:
EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Oznámený subjekt, společnost CSA Group Netherlands (2813), provedl přezkoušení typu EU a vydal certifikát:
SIRA 19ATEX2014X

Další informace:
1. Od neděle 18. srpna 2024.

Podepsáno za a jménem Druck Limited.

J. MacGregor (Senior manažer oddělení technické údržby)

Groby, úterý 13. srpna 2024

Místo a datum vydání.



EU-overensstemmelseserklæring

Produkt: DPI705E-IS
Fabrikantens navn og adresse: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Denne overensstemmelseserklæring udstedes på fabrikantens ansvar.

Erklæringens genstand: DPI705E-IS

Genstanden for erklæringen, som beskrevet ovenfor, er i overensstemmelse med den relevante EU-harmoniseringslovgivning:
2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Referencer til de relevante anvendte harmoniserede standarder eller til de andre tekniske specifikationer, som der erklæres overensstemmelse med:
EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Det bemyndigede organ CSA Group Netherlands (2813) udførte en EU-typeafprøvnin og udstedte certifikatet:
SIRA 19ATEX2014X

Supplerende oplysninger:
1. Fra 18. august 2024.

Underskrevet for og på vegne af Druck Limited.

J. MacGregor (Senior Engineering Manager)

Groby, 13. august 2024

Udstedelsessted og -dato.



EU-Konformitätserklärung

Produkt: DPI705E-IS
Name und Anschrift des Herstellers: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller.

Gegenstand der Erklärung: DPI705E-IS

Der oben beschriebene Gegenstand der Erklärung erfüllt die einschlägigen Harmonisierungsrechtsvorschriften der Union:

2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Angabe der einschlägigen harmonisierten Normen oder der anderen technischen Spezifikationen, die der Konformitätserklärung zugrunde gelegt wurden:

EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Die benannte Stelle CSA Group Netherlands (2813) hat eine EU-Baumusterprüfung durchgeführt und folgende Bescheinigung ausgestellt:

SIRA 19ATEX2014X

Zusatzangaben:

1. Von Sonntag, 18. August 2024.

Unterzeichnet für und im Namen von Druck Limited.

J. MacGregor (Abteilungsleiter Konstruktion)

Groby, Dienstag, 13. August 2024

Ort und Datum der Ausstellung.



Δήλωση Συμμόρφωσης ΕΕ

Προϊόν: DPI705E-IS
Όνομα και διεύθυνση του κατασκευαστή: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Η παρούσα δήλωση συμμόρφωσης εκδίδεται με αποκλειστική ευθύνη του κατασκευαστή.

Στόχος της δήλωσης: DPI705E-IS

Ο στόχος της δήλωσης που περιγράφεται παραπάνω είναι σύμφωνος με τη σχετική ενωσιακή νομοθεσία εναρμόνισης:

2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Παραπομπές στα σχετικά εναρμονισμένα πρότυπα που χρησιμοποιήθηκαν ή παραπομπές στις λοιπές τεχνικές προδιαγραφές σε σχέση με τις οποίες δηλώνεται η συμμόρφωση:

EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Ο κοινοποιημένος οργανισμός CSA Group Netherlands (2813) πραγματοποίησε εξέταση τύπου ΕΕ και εξέδωσε το πιστοποιητικό:

SIRA 19ATEX2014X

Πρόσθετες πληροφορίες:

1. Από Κυριακή, 18 Αυγούστου 2024.

Υπογραφή για λογαριασμό και εξ ονόματος Druck Limited.

J. MacGregor (Senior Engineering Manager)

Groby, Τρίτη, 13 Αυγούστου 2024

Τόπος και ημερομηνία έκδοσης.



Declaración UE de conformidad

Producto: DPI705E-IS
Nombre y dirección del fabricante: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, Reino Unido.

La presente declaración de conformidad se expide bajo la exclusiva responsabilidad del fabricante.

Objeto de la declaración: DPI705E-IS
El objeto de la declaración descrita anteriormente es conforme con la legislación de armonización pertinente de la Unión:
2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Referencias a las normas armonizadas pertinentes utilizadas, o referencias a las otras especificaciones técnicas respecto a las cuales se declara la conformidad:
EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

El organismo notificado CSA Group Netherlands (2813) llevó a cabo un examen de tipo UE y emitió el certificado: SIRA 19ATEX2014X

Información adicional:
1. Desde domingo, 18 de agosto de 2024.

Firmado en nombre de Druck Limited.

J. MacGregor (Director superior de ingeniería)

Groby, martes, 13 de agosto de 2024

Lugar y fecha de expedición.



ELi vastavusdeklaratsioon

Toode: DPI705E-IS
Tootja nimi ja aadress: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH,
Ühendkuningriik.

Käesolev vastavusdeklaratsioon on välja antud tootja ainuvastutusel.

Deklareeritav toode: DPI705E-IS
Ülalkirjeldatud deklareeritav toode on kooskõlas asjaomaste liidu ühtlustamisaktidega:
2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Vitend kasutatud harmoneeritud standarditele või viited muudele tehnilistele spetsifikatsioonidele, millele vastavust deklareeritakse:
EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Teavitatud asutus CSA Group Netherlands (2813) viis läbi ELi tüübihindamise ja väljastas sertifikaadi: SIRA 19ATEX2014X

Lisateave:
1. Alates pühapäev, 18. august 2024.

Alla kirjutanud (kelle poolt ja nimel) Druck Limited.

J. MacGregor (Vanem peainsener)

Groby, teisipäev, 13. august 2024

Väljaandmise koht ja kuupäev.



EU-vaatimustenmukaisuusvakuutus

Tuote: DPI705E-IS
Valmistajan nimi ja osoite: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, Iso-Britannia.

Tämä vaatimustenmukaisuusvakuutus on annettu valmistajan yksinomaisella vastuulla.

Vakuutuksen kohde: DPI705E-IS
Edellä kuvattu vakuutuksen kohde on asiaa koskevan unionin yhdenmukaistamislainsäädännön vaatimusten mukainen: 2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Viittaus niihin asiaa koskeviin yhdenmukaistettuihin standardeihin, joita on käytetty, tai viittaus muihin teknisiin eritelmiin, joiden perusteella vaatimustenmukaisuusvakuutus on annettu: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Ilmoitettu laitos CSA Group Netherlands (2813) suoritti EU-tyyppitarkastuksen ja antoi todistuksen: SIRA 19ATEX2014X

Lisätietoja:
1. Alkaen: sunnuntai 18. elokuuta 2024.

Puolesta allekirjoittanut Druck Limited.

J. MacGregor (Vanhempi tekninen johtaja)

Groby, tiistai 13. elokuuta 2024

Antamispäikä ja -päivämäärä.



Déclaration UE de Conformité

Produit: DPI705E-IS
Nom et adresse du fabricant: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH,
Royaume-Uni.

La présente déclaration de conformité est établie sous la seule responsabilité du fabricant.

Objet de la déclaration: DPI705E-IS

L'objet de la déclaration décrit ci-dessus est conforme à la législation d'harmonisation de l'Union applicable: 2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Références des normes harmonisées pertinentes appliquées ou des autres spécifications techniques par rapport auxquelles la conformité est déclarée: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

L'organisme notifié CSA Group Netherlands (2813) a procédé à un examen UE de type et délivré le certificat ci-après: SIRA 19ATEX2014X

Informations complémentaires:
1. De dimanche 18 août 2024.

Signé par et au nom de Druck Limited.

J. MacGregor (Directeur technique en chef)

Groby, mardi 13 août 2024

Date et lieu d'établissement.



EU Izjava o sukladnosti

Proizvod: DPI705E-IS
Ime i adresa proizvođača: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Za izdavanje EU izjave o sukladnosti odgovoran je isključivo proizvođač.

Predmet izjave: DPI705E-IS
Predmet navedene izjave u skladu je s mjerodavnim zakonodavstvom Unije o usklađivanju: 2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Pozivanje na relevantne primijenjene usklađene norme ili pozivanja na druge tehničke specifikacije u vezi s kojima se izjavuje sukladnost: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Prijavljeno tijelo CSA Group Netherlands (2813) provelo je EU tipsko ispitivanje i izdalo certifikat: SIRA 19ATEX2014X

Dodatne informacije:
1. Od 18. kolovoza 2024..

Potpisano za i u ime Druck Limited.

J. MacGregor (Viši poslovođa za inženjerske poslove)

Groby, 13. kolovoza 2024.
Mjesto i dan izdavanja.



EU Megfelelőségi Nyilatkozat

Termék: DPI705E-IS
A gyártó neve és címe: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Ezt a megfelelőségi nyilatkozatot a gyártó kizárólagos felelősége mellett adják ki.

A nyilatkozat tárgya: DPI705E-IS
A fent ismertetett nyilatkozat tárgya megfelel a vonatkozó uniós harmonizációs jogszabályoknak: 2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Az alkalmazott harmonizált szabványokra való hivatkozás vagy az azokra az egyéb műszaki leírásokra való hivatkozás, amelyekkel kapcsolatban megfelelőségi nyilatkozatot tettek: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Az CSA Group Netherlands (2813) tanúsítószervezet az általa elvégzett EU típusvizsgálat alapján a következő tanúsítványt bocsátotta ki: SIRA 19ATEX2014X

További információk:
1. Ettől: 2024. augusztus 18., vasárnap.

A nyilatkozatot az alábbi nevében és megbízásából írták alá Druck Limited.

J. MacGregor (Műszaki vezető munkatárs)

Groby, 2024. augusztus 13., kedd
A kiállítás helye és dátuma.



ESB-samræmisyfirlýsing

Vara: DPI705E-IS
Heiti og heimilisfang framleiðanda: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, Bretland.

Útgáfa þessarar samræmisyfirlýsingar er alfarið á ábyrgð framleiðandans.

Hluturinn sem yfirlýsingin á við um: DPI705E-IS
Hluturinn sem yfirlýsingin á við um og sem lýst er hér á undan er í samræmi við viðkomandi samþæfingarlöggjöf Evrópusambandsins: 2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Tilvísanir í viðkomandi samþæfða staðla sem eru notaðir eða tilvísanir í aðrar tækniforskriftir sem samræmisyfirlýsing miðast við: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Tilkynnti aðilinn CSA Group Netherlands (2813) framkvæmði ESB-gerðarpröfun og gaf út vottorðið: SIRA 19ATEX2014X

Frekari upplýsingar:
1. Frá sunnudagur, 18. ágúst 2024.

Undirritað fyrir hönd Druck Limited.

J. MacGregor (Yfirverkræðingur)

Groby, þriðjudagur, 13. ágúst 2024
Staður og útgáfudagur.



Dichiarazione di conformità UE

Prodotto: DPI705E-IS
Nome e indirizzo del fabbricante: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

La presente dichiarazione di conformità è rilasciata sotto la responsabilità esclusiva del fabbricante.

Oggetto della dichiarazione: DPI705E-IS
L'oggetto della dichiarazione di cui sopra è conforme alla pertinente normativa di armonizzazione dell'Unione: 2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Riferimento alle pertinenti norme armonizzate utilizzate o riferimenti alle altre specifiche tecniche in relazione alle quali è dichiarata la conformità: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

L'ente notificato CSA Group Netherlands (2813) ha eseguito un esame UE e ha rilasciato il certificato: SIRA 19ATEX2014X

Informazioni aggiuntive:
1. Da domenica 18 agosto 2024.

Firmato a nome e per conto di Druck Limited.

J. MacGregor (Senior Engineering Manager)

Groby, martedì 13 agosto 2024
Luogo e data del rilascio.



ES atītkties deklaracija

Gaminyis: DPI705E-IS
Gamintojo pavadinimas ir adresas: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Ši atītkties deklaracija īduota tik gamintojo atsakomybe.

Deklaracijos objektas: DPI705E-IS
Pirmiau aprašytas deklaracijos objektas atītkina
susijusius derinamuosius Sąjungos teisės aktus: 2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Susijusių taikytų darniųjų standartų nuorodos arba kitų
techninių specifikacijų, pagal kurias buvo deklaruota
atītktis, nuorodos: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Paskelbtoji įstaiga CSA Group Netherlands (2813) atītko
ES tipo tyrimą ir īsdavė sertifikata: SIRA 19ATEX2014X

Papildoma informacija:
1. Nuo 2024 m. rugpjūčio 18 d., sekmadienis.

Už ką ir kieno vardu pasirašyta Druck Limited.

J. MacGregor (Vyresnysis inžinerijos skyriaus
vadovas)

Groby, 2024 m. rugpjūčio 13 d., antradienis
īsdavimo data ir vieta.



ES atbilstības deklaracija

Produkts: DPI705E-IS
Ražotāja viņa nosaukums un adrese: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Ši atbilstības deklaracija ir izdota vienīgi uz ražotāja atbilstību.

Deklarācijas priekšmets: DPI705E-IS
Iepriekš aprakstītais deklarācijas objekts atbilst
attiecīgajam Savienības saskaņošanas tiesību aktam: 2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Atsauces uz attiecīgajiem izmantojamiem saskaņotajiem
standartiem vai uz citām tehniskajām specifikācijām,
attiecībā uz ko tiek deklarēta atbilstība: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Pilnvarotā iestādē CSA Group Netherlands (2813) veica
ES tipa pārbaudi un īsniedza sertifikātu: SIRA 19ATEX2014X

Papildu informācija:
1. No svētdiena, 2024. gada 18. augusts.

Parakstītais šādas personas vārdā Druck Limited.

J. MacGregor (Vecākais tehniskais vadītājs)

Groby, otrdiena, 2024. gada 13. augusts
īdošanas vieta un datums.



Dikjarazzjoni ta' Konformità tal-UE

Prodott: DPI705E-IS
L-isem u l-indirizz tal-manifattur: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Din id-dikjarazzjoni ta' konformità tinhareg taht ir-responsabbiltà unika tal-manifattur.

L-ghan tad-dikjarazzjoni: DPI705E-IS

L-ghan tad-dikjarazzjoni deskritt hawn fuq huwa konformi mal-legislazzjoni ta' armonizzazzjoni rilevanti tal-Unjoni: 2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Ir-referenzi għall-istandards armonizzati rilevanti li ntużaw, jew ir-referenzi għall-ispeċifikazzjonijiet teknici l-oħra li skonthom qed tiġi ddiġjarata l-konformità: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Il-korp notifikat CSA Group Netherlands (2813) wettaq ezaminazzjoni tat-tip tal-UE u hareġ ic-certifikat: SIRA 19ATEX2014X

Informazzjoni addizzjonali:

1. Minn Il-Ħadd, 18 ta' Awwissu 2024.

Iffirmat għal u fisem Druck Limited.

J. MacGregor (Maniġer Anzjan tat-Teknoloġija)

Groby, It-Tlieta, 13 ta' Awwissu 2024

Post u data tal-hruġ.



EU-Samsvarserklæring

Produkt: DPI705E-IS
Navn og adresse til producent: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, Storbritannia.

Produsent er ansvarlig for udstedelse af denne samsvarserklæring.

Gjenstanden som samsvarserklæres: DPI705E-IS

Gjenstanden for erklæringen, som beskrevet ovenfor, er i overensstemmelse med den relevante EU-harmoniseringslovgivning: 2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Referanser til de relevante, harmoniserede standardene som bruges, eller referanser til de andre tekniske specifikasjonene som samsvar erklæres i tilknytning til: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Det underrettede organet CSA Group Netherlands (2813) udførte en undersøgelse af EU-type og udstedte certifikat: SIRA 19ATEX2014X

Supplerende oplysninger:

1. Fra søndag 18. august 2024.

Underskrevet for og på vegne af Druck Limited.

J. MacGregor (Senior teknisk sjef)

Groby, tirsdag 13. august 2024

Sted og dato for udstedelse.



EU-Conformiteitsverklaring

Product: DPI705E-IS
Naam en adres van de fabrikant: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, GB.

Deze conformiteitsverklaring wordt verstrekt onder volledige verantwoordelijkheid van de fabrikant.

Voorwerp van de verklaring: DPI705E-IS

Het hierboven beschreven voorwerp is in overeenstemming de desbetreffende harmonisatiewetgeving van de Unie:

2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542 ¹

Vermelding van de toegepaste relevante geharmoniseerde normen of van de overige technische specificaties waarop de conformiteitsverklaring betrekking heeft:

EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Het aangemelde orgaan CSA Group Netherlands (2813) heeft een EU-type onderzoek uitgevoerd en heeft het volgende certificaat uitgegeven: SIRA 19ATEX2014X

Aanvullende informatie:
1. Van zondag 18 augustus 2024.

Ondertekend voor en namens Druck Limited.

J. MacGregor (Senior Technisch Manager)

Groby, dinsdag 13 augustus 2024
Plaats en datum van uitgifte.



Deklaracja Zgodności UE

Produkt: DPI705E-IS
Nazwa i adres producenta: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, Wielka Brytania.

Niniejsza deklaracja zgodności wydana zostaje na wyłączną odpowiedzialność producenta.

Przedmiot deklaracji: DPI705E-IS

Wymieniony powyżej przedmiot niniejszej deklaracji jest zgodny z odpowiednimi wymaganiami unijnego prawodawstwa harmonizacyjnego:

2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542 ¹

Odniesienia do odpowiednich norm zharmonizowanych, które zastosowano, lub do innych specyfikacji technicznych, w stosunku do których deklarowana jest zgodność:

EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Jednostka notyfikowana CSA Group Netherlands (2813) przeprowadziła badanie typu UE i wydała następujący certyfikat: SIRA 19ATEX2014X

Informacje dodatkowe:
1. Od niedziela, 18 sierpnia 2024.

Podpisano w imieniu Druck Limited.

J. MacGregor (Starszy kierownik ds. inżynierii)

Groby, wtorek, 13 sierpnia 2024
Miejsce i data wydania.



Declaração UE de Conformidade

Produto: DPI705E-IS
Nome e endereço do fabricante: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, RU.

A presente declaração de conformidade é emitida sob a exclusiva responsabilidade do fabricante:

Objeto da declaração: DPI705E-IS
O objeto da declaração acima descrito está em conformidade com a legislação aplicável de harmonização da União:
2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Referências às normas harmonizadas aplicáveis utilizadas ou às outras especificações técnicas em relação às quais é declarada a conformidade: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

O organismo notificado, CSA Group Netherlands (2813), efetuou um exame "UE de tipo" e emitiu o certificado: SIRA 19ATEX2014X

Informações complementares:
1. De 18 de agosto de 2024.

Assinado por e em nome de Druck Limited.

J. MacGregor (Gestor de engenharia sénior)

Groby, 13 de agosto de 2024

Local e data de emissão.



Declarație UE de conformitate

Produsul: DPI705E-IS
Denumirea și adresa producătorului: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Prezenta declarație de conformitate este emisă pe răspunderea exclusivă a producătorului.

Obiectul declarației: DPI705E-IS
Obiectul declarației descris mai sus este în conformitate cu legislația relevantă de armonizare a Uniunii:
2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Trimiteri la standardele armonizate relevante folosite sau trimiteri la celelalte specificații tehnice în legătură cu care se declară conformitatea: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Organismul notificat – CSA Group Netherlands (2813) – a efectuat o examinare de tip UE și a emis certificatul: SIRA 19ATEX2014X

Informații suplimentare:
1. De la duminică, 18 august 2024.

Semnat pentru și în numele Druck Limited.

J. MacGregor (Manager general inginerie)

Groby, marți, 13 august 2024

Locul și data emiterii.



EÚ Vyhlásenie o zhode

Výrobok: DPI705E-IS
Meno/názov a adresa výrobcu: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, Spojené
kráľovstvo.

Toto vyhlásenie o zhode sa vydáva na vlastnú zodpovednosť výrobcu.

Predmet vyhlásenia: DPI705E-IS

Uvedený predmet vyhlásenia je v zhode s príslušnými
harmonizovanými právnymi predpismi Únie:
2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Odkazy na príslušné použité harmonizované normy
alebo odkazy na iné technické špecifikácie, v súvislosti s
ktorými sa zhoda vyhlasuje: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Notifikovaný orgán CSA Group Netherlands (2813)
vykonal typovú skúšku EÚ a vydal certifikát: SIRA 19ATEX2014X

Doplňujúce informácie:
1. Od nedele 18. augusta 2024.

Podpísané za a v mene Druck Limited.

J. MacGregor (Technický riaditeľ)

Groby, utorok 13. augusta 2024

Miesto a dátum vydania.



Izjava EU o Skladnosti

Proizvod: DPI705E-IS
Ime in naslov proizvajalca: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, VB.

Za izdajo te izjave o skladnosti je odgovoren izključno proizvajalec.

Predmet izjave: DPI705E-IS

Predmet navedene izjave je v skladu z ustrežno
zakonodajo Unije o harmonizaciji:
2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Sklicevanja na uporabljene ustrezne harmonizirane
standarde ali sklicevanja na druge tehnične špecifikacije
v zvezi s skladnostjo, ki je navedena v izjavi: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Priglašeni organ CSA Group Netherlands (2813) je
izvedel EU-pregled tipa in izdal potrdilo: SIRA 19ATEX2014X

Dodatne informacije:
1. Od nedelje, 18. avgust 2024.

Podpisano za in v imenu Druck Limited.

J. MacGregor (Višji vodilni inženir)

Groby, torek, 13. avgust 2024

Kraj in datum izdaje.



EU-försäkran om överensstämmelse

Produkt: DPI705E-IS
Tillverkarens namn och adress: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Denna försäkran om överensstämmelse utfärdas på tillverkarens eget ansvar.

Föremål för försäkran: DPI705E-IS

Föremålet för försäkran ovan överensstämmer med den relevanta harmoniserade unionslagstiftningen: 2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Hänvisningar till de relevanta harmoniserade standarder som använts eller hänvisningar till de andra tekniska specifikationer enligt vilka överensstämmelsen försäkras: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Det anmälda organet CSA Group Netherlands (2813) genomförde en EU-typprovning och utfärdade certifikatet: SIRA 19ATEX2014X

Ytterligare information:
1. Från och med den 18 augusti 2024.

Undertecknat för Druck Limited.

J. MacGregor (Senior Engineering Manager)

Groby, den 13 augusti 2024

Ort och datum för utfärdande.



AB Uygunluk Beyanı

Ürün: DPI705E-IS
Üreticinin adı ve adresi: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, İngiltere.

Bu uygunluk beyanı yalnızca üreticinin sorumluluğu altında düzenlenmiştir.

Beyan konusu: DPI705E-IS

Yukarıda açıklanan beyan konusu ürün, ilgili Avrupa Birliği uyum mevzuatına uygundur: 2011/65/EU
2014/30/EU
2014/34/EU
(EU) 2023/1542¹

Kullanılmış olan ilgili uyumlaştırılmış standartlar veya uygunluğu beyan edilen ürünle ilgili diğer teknik özellikler hakkındaki referanslar: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

Onaylı kuruluş CSA Group Netherlands (2813) tarafından AB tip inceleme gerçekleştirilmiş ve şu sertifika düzenlenmiştir: SIRA 19ATEX2014X

Ek bilgiler:
1. Başlangıç 18 Ağustos 2024 Pazar.

Druck Limited adına imzalanmıştır.

J. MacGregor (Mühendislik Birimi Kademli Müdürü)

Groby, 13 Ağustos 2024 Salı

Düzenleme yeri ve tarihi.

Declaration of Conformity

Product: DPI705E-IS

Name and address of the manufacturer: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the declaration: DPI705E-IS

The object of the declaration described above is in conformity with the relevant statutory requirements: S.I. 2012/3032; amended by S.I. 2019/492
S.I. 2016/1091; amended by S.I. 2019/696
S.I. 2016/1107; amended by S.I. 2019/696

References to the relevant designated standards used or references to the other technical specifications in relation to which conformity is declared: EN 61326-1:2013
EN IEC60079-0:2018
EN 60079-11:2012

The approved body CSA Group Testing UK (0518) performed an UK-type examination and issued the certificate: CSAE 21UKEX2356X

Signed for and on behalf of Druck Limited.



J. MacGregor (Senior Engineering Manager)

Groby, 04 January 2024

Place and date of issue.



1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 19ATEX2014X** Issue: **4**

4 Equipment: **DPI705E-IS (Handheld Digital Pressure Indicator)**

5 Applicant: **Druck Limited**

6 Address: **Fir Tree Lane
Groby
Leicester LE6 0FH
United Kingdom**

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Netherlands B.V., Notified Body Number 2813 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN IEC 60079-0:2018

EN 60079-11:2012

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 1 G

Ex ia IIC T4 Ga

Ta = -10°C to +50°C

Project Number 80080601

Signed: J A May

Title: Director of Operations

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CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

Sira 19ATEX2014X
Issue 4

13 DESCRIPTION OF EQUIPMENT

DPI705E-IS is an intrinsically safe handheld digital pressure indicator intended for use in 'Zone 0' hazardous gas environment, gas group IIC, within operating ambient temperature of -10 °C to +50 °C. The equipment provides a single readout of the pressure of either an internal pressure sensor or (if fitted) an external remote pressure sensor which plugs into a binder connector socket on the side of the unit. This socket provides power at nominally 5 V and RS485 interface for the remote sensor for data transfer.

The remote external pressure sensors interfacing with the main instrument must also be ATEX approved intrinsically safe to Level of protection "ia", EPL Ga, intended for use in 'Zone 0' hazardous gas environment gas group IIC.

DPI705E-IS equipment is powered by four AA cells connected in series. The equipment also contains an internal rechargeable lithium coin cell. The equipment contains one double-sided multi-layered printed circuit board. The equipment main unit can also contain an internal pressure sensor. The internal pressure sensor consists of two internal printed circuit boards and a micro-machined silicon transducer. Internal pressure sensor device does not have entity parameters as it does not have an external interface.

On the front of the equipment it has several push-buttons for operation and an LCD display. The equipment enclosure is made from semi-conductive yellow PC/ABS plastic, and the LCD display is covered by a glass screen. There is also a piezo-electric buzzer mounted internal to the equipment.

The socket on the side of the unit where an external remote pressure sensor can interface is also powered internally by the main instrument. Entity parameters for connecting the external remote pressure sensor in hazardous areas are defined. The equipment is either fitted with an internal pressure sensor or used with a suitably certified external remote pressure sensor, but both types of pressure sensors cannot be used at the same time.

The equipment has a single main pressure port (left side of front view) and has an optional reference pressure port (right side of front view) when configured with a differential pressure sensor. All pressure ports are made of steel. When the reference port is not present the position is blanked with a 0.5 mm steel label.

The AA primary cells that power the equipment are intended to be removed and replaced by the end-user in hazardous environment. Only specific types of cells are permitted to be used in conjunction with this equipment, refer to certificate and marking plate.

DPI705E-IS Accessory port socket Entity Parameters:

$$U_o = 7.32 \text{ V} \quad I_o = 0.68 \text{ A} \quad P_o = 0.84 \text{ W} \quad L_o = 65.69 \text{ } \mu\text{H} \quad C_o = 3.16 \text{ } \mu\text{F} \quad L_i = 11.2 \text{ } \mu\text{H} \quad C_i = 8.74 \text{ } \mu\text{F}$$

Variation 1 - This variation introduced the following change:

- i. Marking plate has been updated to include North American certification requirements. Therefore, marking plate drawing and instruction manual have been up issued

Variation 2 - This variation introduced the following changes:

- i. Drawing no. 133M9021 DPI705E-IS Critical Components BOM (CSA) Revision B.
 - The only change in this document is to remove the issue (of the datasheet) from the description of the piezo-buzzer in Table 1 on page 3

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CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem
Netherlands



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

Sira 19ATEX2014X
Issue 4

- ii. Drawing no. 133M9307 DPI705E-IS QUICK-START AND SAFETY MANUAL (CSA) Revision C.
 - The only change in this document is to amend the battery type text from “GP Super AA” to “GP 15A AA” in text sections and on label images
- iii. Drawing no. 133M9029 DPI705E-IS CERTIFICATION LABELLING (CSA) Revision C.
 - To amend label material from 3M 7848 to 3M 7847 (administrative change)
 - To amend the battery type text from “GP Super AA” to “GP 15A AA”

Variation 3 - This variation introduced the following change:

- i. An update to drawing 133M9021 – correction of R1 size (0603 to 0402) in internal pressure sensor, options to increase capacitance included, various corrections to fitted components. As a result, the entity parameters changed and drawing 158M4683 introduced.
- ii. An update to instruction 133M9307 – Changes to entity parameters due to the change above and Specific Conditions of Use.
- iii. An update to marking drawing 133M9029 to add the UKCA information (not relevant to ATEX certification).

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	06 September 2019	R70205392A	The release of the prime certificate.
1	15 October 2019	5266	Transfer of certificate Sira 19ATEX2014X from Sira Certification Service to CSA Netherlands B.V.
2	18 November 2019	R80023131A	The introduction of Variation 1.
3	27 January 2021	R80061042A	The introduction of Variation 2.
4	27 August 2021	R80080600A	The introduction of Variation 3.

15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)

- 15.1 Use only Energizer Ultimate Lithium Cell Type L91 (AA type batteries) or GP 15A Alkaline AA with the equipment.
- 15.2 There shall be no mixing of battery types inserted into the equipment. All batteries inserted must be of the same electrochemical system, cell design, rated capacity and made by the same manufacturer.
- 15.3 Only fresh batteries to be used with the equipment.
- 15.4 Do not recharge the batteries.
- 15.5 Ensure that the correct polarity of batteries are inserted into the equipment.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

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CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem
Netherlands



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

Sira 19ATEX2014X
Issue 4

17 CONDITIONS OF MANUFACTURE

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of CSA Certificates.
- 17.2 Holders of EU type-examination certificates are required to comply with the product control requirements defined in Article 13 of directive 2014/34/EU.
- 17.3 The DPI705E-IS incorporates a previously certified battery (Baseefa14ATEX0107U). It is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with this device. The manufacturer shall inform CSA Group of any modifications to the device that may impinge upon the explosion safety design of the equipment.

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CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem
Netherlands

Certificate Annexe



Certificate Number: Sira 19ATEX2014X
Equipment: DPI705E-IS (Handheld Digital Pressure Indicator)
Applicant: Druck Limited

Issue 0

Drawing	Sheets	Rev.	Date(Sira stamp)	Title
133M7957	1-5	A	09 Aug 19	DPI705E-IS Certification Schematic
133M7959	1-7	A	09 Aug 19	DPI705E-IS PCB Fabrication Plots
133M9021	1-6	A	09 Aug 19	DPI705E-IS Critical Components BOM
133M9026	1-2	-	04 Jul 19	DPI705E-IS General Construction
133M9029	1 of 1	-	04 Jul 19	DPI705E-IS Certification label
133M9030	1-30	A	09 Aug 19	DPI705E-IS Board C&C Proof
133M9307	1-5	A	05 Sep 19	DPI705E-IS Hazardous Location Safety manual
134M3557	1 of 1	-	09 Aug 19	DPI705E-IS Insulating sheet
137M4543	1 of 1	-	09 Aug 19	DPI705E-IS Display insulating sheet

Issue 1. No new drawings were introduced.

Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
133M9029	1 of 1	A	04 Nov 19	DPI705E-IS Certification Labelling (CSA)
133M9307	1 to 5	B	04 Nov 19	DPI705E-IS Hazardous location quick-start and safety manual

Issue 3

Drawing	Sheets	Rev.	Date (Stamp)	Title
133M9021	1 to 6	B	15 Dec 20	DPI705E-IS Critical Components BOM
133M9029	1 of 1	C	15 Dec 20	DPI705E-IS Certification Label
133M9307	1 to 5	C	15 Dec 20	DPI705E-IS Hazardous Location Safety manual

Issue 4

Drawing	Sheets	Rev.	Date (Stamp)	Title
133M9021	1 to 7	C	30 Jul 21	DPI705E-IS Critical Components BOM
133M9307	1 to 5	D	30 Jul 21	Test Tools PM700E-IS Bill of Materials
133M9029	1 of 1	D	30 Jul 21	DPI705E-IS Certification Label
158M4683	1 to 6	-	30 Jul 21	DPS500D Measure Board Gerbers (CSA)

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CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands



UNITED KINGDOM CONFORMITY ASSESSMENT

1 **UK TYPE EXAMINATION CERTIFICATE**

2 Equipment Intended for use in Potentially Explosive Atmospheres

UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 Certificate Number: **CSAE 21UKEX2356X** Issue: **0**

4 Product: **DPI705E-IS (Handheld Digital Pressure Indicator)**

5 Manufacturer: **Druck Limited**

6 Address: **Fir Tree Lane
Groby
Leicester LE6 0FH
United Kingdom**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Testing UK Limited, Approved Body number 0518, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations. The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 EN 60079-11:2012

Except in respect of those requirements listed at Section 16 of the schedule to this certificate. The above standards may not appear on the UKAS Scope of Accreditation, but have been added through flexible scope of accreditation, which is available on request.

10 If the sign 'X' is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This UK TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of this product shall be in accordance with Regulation 41 and include the following:



II 1 G
Ex ia IIC T4 Ga
Ta = -10°C to +50°C

Name: J A May
Title: Director of Operations



SCHEDULE

UK TYPE EXAMINATION CERTIFICATE

CSAE 21UKEX2356X
Issue 0

13 DESCRIPTION OF PRODUCT

DPI705E-IS is an intrinsically safe handheld digital pressure indicator intended for use in 'Zone 0' hazardous gas environment, gas group IIC, within operating ambient temperature of -10 °C to +50 °C. The equipment provides a single readout of the pressure of either an internal pressure sensor or (if fitted) an external remote pressure sensor which plugs into a binder connector socket on the side of the unit. This socket provides power at nominally 5 V and RS485 interface for the remote sensor for data transfer.

The remote external pressure sensors interfacing with the main instrument must also be ATEX approved intrinsically safe to Level of protection "ia", EPL Ga, intended for use in 'Zone 0' hazardous gas environment gas group IIC.

DPI705E-IS equipment is powered by four AA cells connected in series. The equipment also contains an internal rechargeable lithium coin cell. The equipment contains one double-sided multi-layered printed circuit board. The equipment main unit can also contain an internal pressure sensor. The internal pressure sensor consists of two internal printed circuit boards and a micro-machined silicon transducer. Internal pressure sensor device does not have entity parameters as it does not have an external interface.

On the front of the equipment it has several push-buttons for operation and an LCD display. The equipment enclosure is made from semi-conductive yellow PC/ABS plastic, and the LCD display is covered by a glass screen. There is also a piezo-electric buzzer mounted internal to the equipment.

The socket on the side of the unit where an external remote pressure sensor can interface is also powered internally by the main instrument. Entity parameters for connecting the external remote pressure sensor in hazardous areas are defined. The equipment is either fitted with an internal pressure sensor or used with a suitably certified external remote pressure sensor, but both types of pressure sensors cannot be used at the same time.

The equipment has a single main pressure port (left side of front view) and has an optional reference pressure port (right side of front view) when configured with a differential pressure sensor. All pressure ports are made of steel. When the reference port is not present the position is blanked with a 0.5 mm steel label.

The AA primary cells that power the equipment are intended to be removed and replaced by the end-user in hazardous environment. Only specific types of cells are permitted to be used in conjunction with this equipment, refer to certificate and marking plate.

DPI705E-IS Accessory port socket Entity Parameters:

$U_o = 7.32 \text{ V}$ $I_o = 0.68 \text{ A}$ $P_o = 0.84 \text{ W}$ $L_o = 65.69 \mu\text{H}$ $C_o = 3.16 \mu\text{F}$ $L_i = 11.2 \mu\text{H}$ $C_i = 8.74 \mu\text{F}$

Incorporated amendments

- i. Marking plate has been updated to include North American certification requirements. Therefore, marking plate drawing and instruction manual have been up issued
- ii. Drawing no. 133M9021 DPI705E-IS Critical Components BOM (CSA) Revision B.
 - The only change in this document is to remove the issue (of the datasheet) from the description of the piezo-buzzer in Table 1 on page 3

SCHEDULE

UK TYPE EXAMINATION CERTIFICATE

**CSAE 21UKEX2356X
Issue 0**

- iii. Drawing no. 133M9307 DPI705E-IS QUICK-START AND SAFETY MANUAL (CSA) Revision C.
 - The only change in this document is to amend the battery type text from “GP Super AA” to “GP 15A AA” in text sections and on label images
- iv. Drawing no. 133M9029 DPI705E-IS CERTIFICATION LABELLING (CSA) Revision C.
 - To amend label material from 3M 7848 to 3M 7847 (administrative change)
 - To amend the battery type text from “GP Super AA” to “GP 15A AA”
- v. An update to drawing 133M9021 – correction of R1 size (0603 to 0402) in internal pressure sensor, options to increase capacitance included, various corrections to fitted components. As a result, the entity parameters changed and drawing 158M4683 introduced.
- vi. An update to instruction 133M9307 – Changes to entity parameters due to the change above and Specific Conditions of Use.
An update to marking drawing 133M9029 to add the UKCA information (not relevant to ATEX certification).

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
0	01 November 2021	R80093482A	The release of the prime certificate.

15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)

- 15.1 Use only Energizer Ultimate Lithium Cell Type L91 (AA type batteries) or GP 15A Alkaline AA with the equipment.
- 15.2 There shall be no mixing of battery types inserted into the equipment. All batteries inserted must be of the same electrochemical system, cell design, rated capacity and made by the same manufacturer.
- 15.3 Only fresh batteries to be used with the equipment.
- 15.4 Do not recharge the batteries.
- 15.5 Ensure that the correct polarity of batteries are inserted into the equipment.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (REGULATIONS SCHEDULE 1)

In addition to the Essential Health and Safety Requirements covered by the standards listed in Section 9, all other requirements are demonstrated in the relevant reports.



SCHEDULE

UK TYPE EXAMINATION CERTIFICATE

CSAE 21UKEX2356X
Issue 0

17 PRODUCTION CONTROL

- 17.1 Holders of this certificate are required to comply with production control requirements defined in Schedule 3A, as applicable, and CSA Group Testing UK Regulations for Certificate Holders
- 17.2 The DPI705E-IS incorporates a previously certified battery (Baseefa14ATEX0107U). It is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with this device. The manufacturer shall inform CSA Group of any modifications to the device that may impinge upon the explosion safety design of the equipment.



UK UK
CANI



Certificate Annexe

Certificate Number: CSAE 21UKEX2356X

Product: DPI705E-IS (Handheld Digital Pressure Indicator)

Manufacturer: Druck Limited

Issue 0

Drawing	Sheets	Rev.	Date (Stamp)	Title
134M3557	1 of 1	-	09 Aug 19	DPI705E-IS Insulating sheet (CSA)
137M4543	1 of 1	-	09 Aug 19	DPI705E-IS Display insulating sheet (CSA)
133M7957	1-5	A	09 Aug 19	DPI705E-IS Certification Schematic(CSA)
133M7959	1-7	A	09 Aug 19	DPI705E-IS PCB Fabrication Plots for CSA
133M9026	1-2	-	04 Jul 19	DPI705E-IS General Construction (CSA)
133M9021	1 to 7	C	30 Jul 21	DPI705E-IS Critical Components BOM
133M9307	1 to 5	D	30 Jul 21	Quick-Start and Safety Manual
158M4683	1 to 6	-	30 Jul 21	DPS500D Measure Board Gerbers (CSA)
133M9029	1 of 1	D	05 Oct 21	DPI705E-IS CERTIFICATION LABELLING (CSA)



UKUK
CANI

CSA Group Testing UK Ltd., Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, UK
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DQD544.21 Issue 2 (2021-04-23)

Page 1 of 1



Certificate of Compliance

Certificate: 70205393

Master Contract: 150918

Project: 80080602

Date Issued: August 24, 2021

Issued to: Druck Limited
Fir Tree Lane, Groby
Leicestershire, LE6 0FH
UNITED KINGDOM

Attention: John Ward

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by:

Oong Lee

PRODUCTS

CLASS 2258 03 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations

CLASS 2258 83 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations - CERTIFIED TO U.S. STANDARDS

Druck Model DPI705E-IS is an intrinsically safe handheld digital pressure indicator intended for use in 'Zone 0' hazardous gas environment, gas group IIC, within operating ambient temperature of -10 °C to +50 °C. The equipment provides a single readout of the pressure of either an internal pressure sensor or (if fitted) an external remote pressure sensor which plugs into a binder connector socket on the side of the unit. This socket provides power output at nominally 5 V and RS485 interface for the remote sensor for data transfer.

The remote external pressure sensors interfacing with the main instrument must also be approved intrinsically safe to Level of protection "ia", EPL Ga, intended for use in 'Zone 0' hazardous gas environment gas group IIC.

DPI705E-IS equipment is powered by four AA cells connected in series.

Class I, Zone 0, AEx ia IIC T4

Ex ia IIC T4

Digital Hand held Pressure Indicator, Model DPI705E-IS

T_a: -10 °C to +50 °C

Battery powered equipment

Intrinsically safe when installed per drawing no. 134M3515



Certificate: 70205393
Project: 80080602

Master Contract: 150918
Date Issued: August 24, 2021

Conditions of Acceptability:

1. Use only Energizer Ultimate Lithium Cell Type L91 (AA type batteries) or GP Super Alkaline AA battery (model no. GP15A) with the equipment for hazardous location use.
2. There shall be no mixing of battery types inserted into the equipment. All batteries inserted must be of the same electrochemical system, cell design, rated capacity and made by the same manufacturer.
3. Only fresh batteries to be used with the equipment.
4. Do not recharge the batteries.
5. Ensure that the correct polarity of batteries are inserted into the equipment.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-10 (R2015)	General requirements — Canadian Electrical Code, Part II
CAN/CSA C22.2 No. 61010-1-12, UPD1: 2015, UPD2: 2016, AMD1: 2018	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
CAN/CSA C22.2 NO. 60079-0:19	Explosive atmospheres – Part 0: Equipment – General requirements (Adopted IEC 60079 0:2017, seventh edition, 2017-02, with Canadian deviations)
CAN/CSA C22.2 NO. 60079-11:14 (R2018)	Explosive atmospheres – Part 11: Equipment protection by intrinsic safety “i”
UL 61010-1, 3rd edition (2012), AMD1: 2018	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
ANSI/ UL 60079-0 Seventh Edition	Standard for Explosive Atmospheres – Part 0: Equipment – General Requirements
ANSI/UL 60079-11 Sixth Edition	Standard for Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety “i”

Certificate: 70205393
Project: 80080602

Master Contract: 150918
Date Issued: August 24, 2021

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

The following markings appear on the product:

- CSA monogram with c us indicator. The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only, as shown on the Certificate of Compliance. The product may bear one of the following CSA Markings:



- Manufacturers name "Druck Ltd.", or CSA Master Contract number "150918" adjacent the CSA Mark, in lieu of manufacturers name.
- Model designation, as specified in the PRODUCTS section, above.
- Maximum ambient temperature rating, as specified in the PRODUCTS section, above.
- Date code / Serial number traceable to month and year of manufacture.
- Hazardous locations designation, as specified in the PRODUCTS section, above or equivalent.
- Temperature code, as specified in the PRODUCTS section, above.
- The warning words: - "WARNING – USE ONLY BATTERIES / ATTENTION – UTILISER UNIQUEMENT PILES:
- GP SUPER AA ALKALINE
- ENERGIZER ULTIMATE LITHIUM AA
Such warning marks are applied on the equipment label both in English and French.
- Certificate Number Reference "CSA19CA70205393X" next to the CSA logo.
- Install/Use equipment as per "control drawing 134M3515".

Nameplate adhesive label material approval information:

Method of marking: Laser Markeable nameplate from 3M, Type 7848 of thickness ≤ 0.2 mm, in accordance with manufacturer drawing no. 133M9029. Label stocks is approved by UL under file # MH11410.

CERTIFICADO DE CONFORMIDADE

CERTIFICATE OF CONFORMITY

Certificado No. / Certificate No. **UL-BR 20.0049X / 00**

Rev. 02

Certificado de Conformidade válido somente acompanhado das páginas de:
Certificate of Conformity valid only with the following pages:

1 a 5

Emissão / Date of issue 21 de janeiro de 2020 / January 21, 2020
Revisão / Revision Date 27 de janeiro de 2023 / January 27, 2023
Validade / Expire date 20 de janeiro de 2029 / January 20, 2029

Detentor do Projeto / Project Owner
Party Site No.: 608929
Audit File: A28525 (date 2021/07/07&08)

DRUCK LIMITED
Fir Tree Lane - Groby – Leicestershire – LE6 0FH – UK
CNPJ: Não aplicável / Not applicable

Fornecedor Solicitante / Supplier Applicant
Party Site No.: 616012
Audit File: A28357 (date 2022/06/22)

BENTLY DO BRASIL LTDA
Rod. Jornalista Francisco. Aguirre Proença lado par Km 3,8 – Campinas
São Paulo, CEP 13064- 654, Brasil / GEVISA
CNPJ: 01.128.902/0002-51

Fabricante / Manufacturer
Party Site No.: 608929
Audit File: A28525 (date 2021/07/07&08)

DRUCK LIMITED
Fir Tree Lane - Groby – Leicestershire – LE6 0FH – UK
CNPJ: Não aplicável / Not applicable

FILE#/VOL.#/SEC.#

BR3506/Vol.1/Sec.11

Produto Certificado / Certified Product

Indicador de Pressão Digital Portátil / Handheld Digital Pressure Indicator

Modelo / Model

DPI705E-IS

Lote ou Número de Série / Lot or Serial Number

Não aplicável / Not applicable

Marcação Ex / Ex Marking

Ex ia IIC T4 Ga
-10 °C ≤ Tamb ≤ +50 °C

Normas Aplicáveis / Applicable Standards

ABNT NBR IEC 60079-0:2013
ABNT NBR IEC 60079-11:2013

Programa de certificação ou Portaria /
Certification Program or Ordinance

Portaria INMETRO no. 115, de 21 de março de 2022.
INMETRO Ordinance nº 115 as of March 21, 2022.

Concessão Para / Concession for

Ostentar o Selo de Identificação da Conformidade do Sistema Brasileiro de Avaliação da Conformidade (SBAC) sobre o(s) produto(s) relacionado(s) neste certificado.
Bearing the Conformity Identification Seal of the Brazilian System of Conformity (SBAC) on the product covered by this certificate.


Pedro Mottola
Program Owner

UL do Brasil Certificações, organismo acreditado pela Coordenação Geral de Acreditação do INMETRO – CGCRE, segundo o registro No.: OCP-0029 confirma que o produto está em conformidade com a(s) Norma(s) e programas ou Portarias acima descritas.

UL do Brasil Certificações, Certification Body accredited by Coordenação Geral de Acreditação do INMETRO - CGCRE according to the register No.: OCP-0029 confirms that the product is in compliance with the standards and certification Program or Ordinance above mentioned.



Organismo de Certificação /
Certification Body

UL do Brasil Certificações

Avenida Engenheiro Luis Carlos Berrini, 105 – 24º andar
04571-010 – Brooklin – São Paulo – SP – Brasil

CERTIFICADO DE CONFORMIDADE

CERTIFICATE OF CONFORMITY

Certificado No. / Certificate No. **UL-BR 20.0049X / 00**

Rev. 02

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Revisão / Revision Date 27 de janeiro de 2023 / January 27, 2023

Validade / Expire date 20 de janeiro de 2029 / January 20, 2029

MODELO DE CERTIFICAÇÃO / CERTIFICATION MODEL:

- Modelo de Certificação 5 / Certification Model 5**
 Modelo de Certificação 1b / Certification Model 1b

DESCRIÇÃO DO PRODUTO / PRODUCT DESCRIPTION:

Marca	Modelo	Descrição	Código de barras comercial - GTIN
Mark	Model	Description	Commercial barcode - GTIN
DRUCK LIMITED	DPI705E-IS	Indicador de Pressão Digital Portátil Handheld Digital Pressure Indicator	N/A

O DPI705E-IS é um indicador de pressão digital portátil intrinsecamente seguro, destinado ao uso em atmosferas explosivas de gás que requerem EPL Ga (Zona 0), grupo de gases IIC, com temperatura ambiente operacional de -10 °C a +50 °C. O equipamento fornece uma leitura única da pressão de um sensor de pressão interno ou (se instalado) de um sensor de pressão remoto externo que é conectado a um soquete conector na lateral da unidade. Este soquete fornece energia nominal de 5 V e interface RS485 para o sensor remoto para transferência de dados.

Os sensores de pressão externos remotos que fazem interface com o instrumento principal também devem ser certificados sob o âmbito do INMETRO, intrinsecamente seguros com o tipo de proteção "ia", EPL Ga, destinado ao uso sob o grupo de gases IIC e Zona 0.

O equipamento DPI705E-IS é alimentado por quatro baterias AA conectadas em série. O equipamento também contém uma bateria interna de lítio recarregável tipo moeda. O equipamento contém uma placa de circuito impresso de dupla face e multicamadas. A unidade principal do equipamento também pode conter um sensor de pressão interno. O sensor de pressão interno consiste em duas placas de circuito impresso internas e um transdutor de silício micro-usinado. O dispositivo sensor de pressão interna não possui parâmetros elétricos de segurança intrínseca, pois não possui uma interface externa.

Na parte frontal do equipamento, existem vários botões para operação e um display LCD. O invólucro do equipamento é fabricado em plástico amarelo PC/ABS semi-condutor e o visor LCD é coberto por uma tela de vidro. Há também uma campainha piezoelétrica montada interna ao equipamento. O soquete na lateral da unidade onde um sensor de pressão remoto externo pode ser conectado também é alimentado internamente pelo instrumento principal. Os parâmetros elétricos de segurança intrínseca para conectar o sensor de pressão remoto externo em áreas classificadas são definidos. O equipamento é equipado com um sensor de pressão interno ou usado com um sensor de pressão remoto externo separadamente certificado, mas os dois tipos de sensores de pressão não podem ser usados ao mesmo tempo.

O equipamento possui uma única porta de pressão principal (lado esquerdo da vista frontal) e possui uma porta de pressão de referência opcional (lado direito da vista frontal) quando configurado com um sensor de pressão diferencial. Todas as portas de pressão são feitas de aço. Quando a porta de referência não está presente, a posição é fechada com uma etiqueta de aço de 0,5 mm.

As baterias primárias AA que alimentam o equipamento são destinadas a serem removidas e substituídas pelo usuário final em ambientes perigosos. Somente tipos específicos de baterias podem ser usados em conjunto com este equipamento; consulte as condições específicas de utilização deste certificado e a placa de marcação do equipamento.

DPI705E-IS is an intrinsically safe handheld digital pressure indicator intended for use in areas with hazardous gas environment that require EPL Ga (Zone 0), gas group IIC, within operating ambient temperature of -10 °C to +50 °C. The equipment provides a single readout of the pressure of either an internal pressure sensor or (if fitted) an external remote pressure sensor which plugs into a binder connector socket on the side of the unit. This socket provides power at nominally 5 V and RS485 interface for the remote sensor for data transfer.

The remote external pressure sensors interfacing with the main instrument must also be INMETRO approved intrinsically safe to Level of protection "ia", EPL Ga, intended for use in 'Zone 0' hazardous gas environment gas group IIC.

Organismo de Certificação /
Certification Body

UL do Brasil Certificações

Avenida Engenheiro Luis Carlos Berrini, 105 – 24º andar
04571-010 – Brooklin – São Paulo – SP – Brasil

CERTIFICADO DE CONFORMIDADE

CERTIFICATE OF CONFORMITY

Certificado No. / Certificate No. **UL-BR 20.0049X / 00**

Rev. 02

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Revisão / Revision Date 27 de janeiro de 2023 / January 27, 2023
Validade / Expire date 20 de janeiro de 2029 / January 20, 2029

DPI705E-IS equipment is powered by four AA cells connected in series. The equipment also contains an internal rechargeable lithium coin cell. The equipment contains one double-sided multi-layered printed circuit board. The equipment main unit can also contain an internal pressure sensor. The internal pressure sensor consists of two internal printed circuit boards and a micro-machined silicon transducer. Internal pressure sensor device does not have entity parameters as it does not have an external interface.

On the front of the equipment it has several pushbuttons for operation and an LCD display. The equipment enclosure is made from semi-conductive yellow PC/ABS plastic, and the LCD display is covered by a glass screen. There is also a piezo-electric buzzer mounted internal to the equipment. The socket on the side of the unit where an external remote pressure sensor can interface is also powered internally by the main instrument. Entity parameters for connecting the external remote pressure sensor in hazardous areas are defined. The equipment is either fitted with an internal pressure sensor or used with a suitably certified external remote pressure sensor, but both types of pressure sensors cannot be used at the same time.

The equipment has a single main pressure port (left side of front view) and has an optional reference pressure port (right side of front view) when configured with a differential pressure sensor. All pressure ports are made of steel. When the reference port is not present the position is blanked with a 0.5 mm steel label.

The AA primary cells that power the equipment are intended to be removed and replaced by the end-user in hazardous environment. Only specific types of cells are permitted to be used in conjunction with this equipment, refer to specific conditions of use on this certificate and the equipment marking plate.

CARACTERÍSTICAS ELÉTRICAS / ELECTRICAL CHARACTERISTICS:

Parâmetros elétricos de segurança intrínseca da porta/soquete de acessórios:

$U_o = 7,32 \text{ V}$, $I_o = 0,68 \text{ A}$, $P_o = 0,84 \text{ W}$, $L_o = 65,69 \text{ } \mu\text{H}$, $C_o = 2,62 \text{ } \mu\text{F}$, $L_i = 11,2 \text{ } \mu\text{H}$, $C_i = 9,28 \text{ } \mu\text{F}$

DPI705E-IS Accessory port socket Entity Parameters:

$U_o = 7.32 \text{ V}$, $I_o = 0.68 \text{ A}$, $P_o = 0.84 \text{ W}$, $L_o = 65.69 \text{ } \mu\text{H}$, $C_o = 2.62 \text{ } \mu\text{F}$, $L_i = 11.2 \text{ } \mu\text{H}$, $C_i = 9.28 \text{ } \mu\text{F}$

CONDIÇÕES ESPECÍFICAS DE UTILIZAÇÃO PARA EQUIPAMENTOS Ex ou LISTA DE LIMITAÇÕES PARA COMPONENTES Ex:

SPECIFIC CONDITIONS OF USE FOR Ex EQUIPMENT or SCHEDULE OF LIMITATIONS FOR Ex COMPONENTS:

1. Use apenas baterias com célula de lítio tipo **Energizer Ultimate Lithium Cell Type L91** (baterias do tipo AA) ou baterias **GP 15A Alkaline AA** com o equipamento.
2. Não deve haver mistura de tipos de bateria instaladas no equipamento. Todas as baterias instaladas devem ser do mesmo sistema eletroquímico, design de célula, capacidade nominal e fabricadas pelo mesmo fabricante.
3. Apenas baterias novas devem ser usadas com o equipamento.
4. Não recarregue as baterias.
5. Verifique se a polaridade correta das baterias está instalada no equipamento.

*1. Use only **Energizer Ultimate Lithium Cell Type L91** (AA type batteries) or **GP 15A Alkaline AA** battery with the equipment.*

2. There shall be no mixing of battery types inserted into the equipment. All batteries inserted must be of the same electrochemical system, cell design, rated capacity and made by the same manufacturer.

3. Only fresh batteries to be used with the equipment.

4. Do not recharge the batteries.

5. Ensure that the correct polarity of batteries is inserted into the equipment.

ENSAIOS DE ROTINA / ROUTINE TESTS:

Organismo de Certificação /
Certification Body

UL do Brasil Certificações

Avenida Engenheiro Luis Carlos Berrini, 105 – 24º andar
04571-010 – Brooklin – São Paulo – SP – Brasil

CERTIFICADO DE CONFORMIDADE

CERTIFICATE OF CONFORMITY

Certificado No. / Certificate No. **UL-BR 20.0049X / 00**

Rev. **02**

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Revisão / Revision Date 27 de janeiro de 2023 / January 27, 2023

Validade / Expire date 20 de janeiro de 2029 / January 20, 2029

Nenhum / None

LISTA DE DOCUMENTOS / DOCUMENTS LIST:

<input checked="" type="checkbox"/> Description ILL# <input type="checkbox"/> TestRef ILL#	Título / Title:	Desenho Nº Drawing No.:	Revisão ou Data: Issue or Date
01	DPI705E-IS Certification Schematic	133M7957	A (2019-07-15)
02	DPI705E-IS PCB Fabrication Plots	133M7959	A (2019-07-15)
03	DPI705E-IS Critical Components BOM	133M9021	B (2020-10-19)
04	DPI705E-IS General Construction	133M9026	- (2019-06-19)
05	DPI705E-IS Certification labelling (INMETRO)	145M5377	C (2021-02-01)
06	DPI705E-IS Board C&C Proof	133M9030	A (2019-07-15)
07	DPI705E-IS Hazardous Location Quick-Start and Safety manual (INMETRO)	145M6784	B (2021-01-29)
08	DPI705E-IS Insulating sheet	134M3557	- (2019-04-17)
09	DPI705E-IS Display insulation sheet	137M4543	- (2019-05-25)

CERTIFICADO DE CONFORMIDADE, RELATÓRIOS DE ENSAIO / CERTIFICATE OF CONFORMANCE, TEST REPORTS:

<input checked="" type="checkbox"/> TestRec DS# <input type="checkbox"/> TestRef DS#	Título/Descrição: Title/Description:	Documento Nº Document No.:	Revisão ou Data: Issue or Date
01	Certificado IECEX, emitido por SIRA Certification Service/CSA Group	IECEX SIR 19.0003X Issue No. 02	2021-01-27
02	Relatório de ensaio, emitido por CSA Group Testing UK Ltd.	GB/SIR/ExTR19.0230/00	2019-08
03	Relatório de ensaio, emitido por CSA Group Testing UK Ltd.	GB/SIR/ExTR19.0287/00	2019-11
04	Relatório de ensaio, emitido por CSA Group Testing UK Ltd.	GB/SIR/ExTR21.0004/00	2021-01

OBSERVAÇÕES / OBSERVATIONS:

- Este certificado aplica-se aos produtos idênticos ao protótipo avaliado e certificado, manufaturados na unidade fabril mencionada neste certificado, sendo este válido apenas para produtos fabricados/produzidos após a sua emissão.
- Qualquer alteração no produto, incluindo a marcação, invalidará o presente certificado, salvo se o solicitante informar por escrito à UL do Brasil Certificações sobre esta modificação, a qual procederá à avaliação e decidirá quanto à continuidade da validade do certificado.
- Somente as unidades comercializadas durante a vigência deste certificado estarão cobertas por esta certificação.
- Os equipamentos devem ser instalados em atendimento às Normas pertinentes em Instalações Elétricas em Atmosferas Explosivas, ABNT NBR IEC 60079-14.
- As atividades de instalação, inspeção, manutenção, reparo, revisão e recuperação dos equipamentos são de responsabilidade dos usuários e devem ser executadas de acordo com os requisitos das normas técnicas vigentes e com as recomendações do fabricante.

Organismo de Certificação /
Certification Body

UL do Brasil Certificações

Avenida Engenheiro Luis Carlos Berrini, 105 – 24º andar
04571-010 – Brooklin – São Paulo – SP – Brasil

CERTIFICADO DE CONFORMIDADE

CERTIFICATE OF CONFORMITY

Certificado No. / Certificate No. **UL-BR 20.0049X / 00**

Rev. **02**

Certificado de Conformidade válido somente acompanhado das páginas de:

1 a 5

Certificate of Conformity valid only with the following pages:

Emissão / Date of issue 21 de janeiro de 2020 / January 21, 2020
Revisão / Revision Date 27 de janeiro de 2023 / January 27, 2023
Validade / Expire date 20 de janeiro de 2029 / January 20, 2029

6. A validade deste Certificado de Conformidade está atrelada à realização das avaliações de manutenção e tratamento de possíveis não conformidades de acordo com as orientações da UL do Brasil Certificações previstas no RAC específico. Para verificação da condição atualizada de regularidade deste Certificado de Conformidade deve ser consultado o banco de dados de produtos e serviços certificados do Inmetro.

1. *This certificate applies to the products that are identical to the prototype investigated, certified and manufactured at the production site mentioned in this certificate, being valid only for products produced/manufactured after its issuance.*
2. *Any changes made on the product, including marking, will invalidate this certificate unless UL do Brasil Certificações is notified, in written, about the desired change, who will conduct an analyzes and will decide over the continuity of the certificate validity.*
3. *Only the products placed into the market during the validity of this certificate will be covered by this certification.*
4. *The equipment shall be installed according to the relevant Standards in Electrical Installation for Explosive Atmospheres, ABNT NBR IEC 60079-14.*
5. *The installation, inspection, maintenance, repair, review and rebuild equipment activities are responsibility of the end user and must be performed in accordance with the requirements of the standards and manufacturer's recommendation.*
6. *The validity of this Certificate of Conformity is subjected to the conduction of the maintenance evaluations and treatment of possible nonconformities according to UL do Brasil Certificações guidelines in accordance with the specific RAC. In order to verify the updated condition of validity of this Certificate of Conformity, the Inmetro database of certified products and services must be consulted.*

HISTÓRICO DE REVISÕES / REVISION HISTORY:

2023-01-27 – Rev. 2 – SR No.: 1728398.0875645

Renovação do certificado, inclusão da Portaria 115:2022 e alteração do Fornecedor solicitante.

Certificate renewal, inclusion of Portaria 115:2022 and alteration of the Supplier Applicant.

2021-02-04 – Rev. 1 – 4789825111.1.1

Pequenas alterações nos desenhos de certificação e atualização do nome do tipo de bateria de "GP Super AA" para "GP 15A AA" com base no relatório IECEx mais atual do certificado de origem.

Minor amendments to certification drawings and update of battery type name from "GP Super AA" to "GP 15A AA" based on the latest IECEx report of the origin certificate.

2020-01-21 – Rev. 0 – 4789305203.1.1

Emissão inicial

Initial issue

A última revisão substitui e cancela as anteriores

The last revision cancels and substitutes the previous ones

Organismo de Certificação /
Certification Body

UL do Brasil Certificações

Avenida Engenheiro Luis Carlos Berrini, 105 – 24º andar
04571-010 – Brooklin – São Paulo – SP – Brasil



防爆合格证

证号: GYJ19.1400X

由 Druck Limited

制造的产品:

(地址: Fir Tree Lane, Groby, Leicestershire, LE6 0FH, United Kingdom.)

名称 手持式压力数显仪

型号规格 DPI705E-IS

防爆标志 Ex ia II C T4 Ga

产品标准 /

图样编号 /

经图样及技术文件的审查和样品检验, 确认上述产品符合 GB 3836.1-2010、GB 3836.4-2010、GB 3836.20-2010 标准, 特颁发此证。

本证书有效期: 2019年11月7日至2024年11月6日

- 备注
1. 安全使用注意事项见本证书附件。
 2. 证书编号后缀“X”表明产品具有安全使用特殊条件, 内容见本证书附件。
 3. 本安电气参数见本证书附件。

站长



国家级仪器仪表防爆安全监督检验站

颁发日期二〇一九年十一月七日

本证书仅对与认可文件和样品一致的产品有效。

地址: 上海市漕宝路103号
邮编: 200233

网址: www.nepsi.org.cn
Email: info@nepsi.org.cn

电话: +86 21 64368180
传真: +86 21 64844580



EXPLOSION PROTECTION CERTIFICATE OF CONFORMITY

Cert NO.GYJ19.1400X

This is to certify that the product

Handheld Digital Pressure Indicator

manufactured by **Druck Limited**

(Address:Fir Tree Lane, Groby, Leicestershire, LE6 0FH, United Kingdom.)

which model is **DPI705E-IS**

Ex marking **Ex ia IIC T4 Ga**

product standard /

drawing number /

has been inspected and certified by NEPSI, and that it conforms
to **GB 3836.1-2010,GB 3836.4-2010,GB 3836.20-2010**

This Approval shall remain in force until **2024.11.06**

Remarks 1.Conditions for safe use are specified in the attachment to this certificate.
2.Symbol "X" placed after the certification number denotes specific conditions of use,
which are specified in the attachment to this certificate.
3.Intrinsic safety parameters specified in the attachment to this certificate.

Director

National Supervision and Inspection Centre for
Explosion Protection and Safety of Instrumentation

Issued Date 2019.11.07



This Certificate is valid for products compatible with the documents and samples approved by NEPSI.

103 Cao Bao Road
Shanghai 200233, China

<http://www.nepsi.org.cn>
Email: info@nepsi.org.cn

Tel: +86 21 64368180
Fax: +86 21 64844580

国家级仪器仪表防爆安全监督检验站

National Supervision and Inspection Centre for
Explosion Protection and Safety of Instrumentation

(GYJ19.1400X)

(Attachment I)

GYJ19.1400X防爆合格证附件 I

由 Druck Limited 生产的 DPI705E - IS型 手持式压力数显仪（以下简称数显仪），经国家级仪器仪表防爆安全监督检验站(NEPSI)检验，符合下列国家防爆标准的要求：

GB3836.1 - 2010 爆炸性环境 第1部分：设备 通用要求

GB3836.4 - 2010 爆炸性环境 第4部分：由本质安全型“i”保护的设备

GB 3836.20 - 2010 爆炸性环境 第20部分：设备保护级别（EPL）为Ga级的设备

产品防爆标志：Ex ia II C T4 Ga

防爆合格证编号为GYJ19.1400X。

一、产品安全使用特殊条件

防爆合格证号后缀“X”代表产品具有安全使用特殊条件，具体内容如下：

1. 仅允许使用Energizer锂电池（型号及规格：L91，AA）或 GP碱性电池（型号及规格：GP15A，AA）。
2. 仅允许使用同一种电池，不同牌号及类型的电池不得混合使用；必须同时更换所有电池，不得新旧电池混合使用。
3. 保证数显仪电池的极性正确，并严禁对电池充电。

二、产品使用注意事项

1. 产品使用环境温度范围： $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$ 。
2. 产品本安参数：

最高输出电压 U_o (V)	最大输出电流 I_o (A)	最大输入功率 P_o (W)	最大内部参数		最大外部参数	
			C_i (μ F)	L_i (μ H)	C_o (μ F)	L_o (μ H)
7.32	0.68	0.84	9.28	11.2	2.62	65.69

3. 用户不得自行更换该产品的零部件及元器件，应会同产品制造商共同解决运行中出现的故障，以杜绝损坏现象的发生。

4. 产品的安装、使用和维护应同时遵守产品说明书、GB3836.13 - 2013 “爆炸性环境第13部分：设备的修理、检修、修复和改造”、GB/T 3836.15 - 2017 “爆炸性环境 第15部分：电气装置的设计、选型和安装”、GB/T 3836.16 - 2017 “爆炸性环境第16部分：电气装置的检查与维护”、GB/T 3836.18 - 2017 “爆炸性环境 第18部分：本质安全电气系统”和 GB50257 - 2014 “电气装置安装工程爆炸和火灾危险环境 电气装置施工及验收规范”的有关规定。

三、制造厂责任

1. 制造厂必须将上述产品安全使用特殊条件及使用注意事项纳入该产品使用说明书。
2. 制造厂必须严格按照NEPSI认可的文件资料生产。
3. 产品铭牌中应至少包括下列内容：
 - a) NEPSI认可标志（见防爆合格证书）
 - b) 产品防爆标志
 - c) 防爆合格证号
 - d) 本质安全参数
 - e) 使用环境温度范围

国家级仪器仪表防爆安全监督检验站

二〇一九年十一月七日



제2021-013621-01-1호

안전인증서

Druck Limited

Fir Tree Lane, Groby, Leicester LE6 0FH, United Kingdom

위 사업장에서 제조하는 아래의 품목이 「산업안전보건법」 제84조 및 같은 법 시행규칙 제110조제1항에 따른 안전인증 심사 결과 안전·보건기준에 적합하므로 안전인증표시의 사용을 인증합니다.

품 목

Handheld Digital Pressure Indicator

형식·모델(용량·등급) / 인증번호

DPI705E-IS(Ex ia IIC T4 Ga) / 20-KA4BO-0103X

인증기준

고용노동부고시 제2020-33호

인증조건

1. 제조공장

·본 인증서는 'Fir Tree Lane, Groby, Leicester LE6 0FH, United Kingdom'에서 생산하는 제품에 한함.

2. 제품개요

- 이 제품은 본질안전방폭구조의 디지털 압력 표시기임.
- 정격: 7.32 Vdc 이하, 0.68 A 이하, 0.84 W
- 본질안전을 위한 전기적 파라미터: $U_o = 7.32 V$, $I_o = 0.68 A$, $P_o = 0.84 W$, $L_o = 65.69 \mu H$, $C_o = 2.62 \mu F$, $L_i = 11.2 \mu H$, $C_i = 9.28 \mu F$
- 사용주위온도: $-10 \text{ }^\circ\text{C} \leq T_a \leq +50 \text{ }^\circ\text{C}$

3. 인증범위: 본 인증서는 위의 형식번호에 한하여 유효함.

4. 안전한 사용을 위한 조건

- 사용가능한 건전지: Energizer Ultimate Lithium Cell (Type L91, AA size) 또는 GP 51A Alkaline AA
- 건전지를 혼합하여 사용할 수 없음.
- 최근에 제조된(fresh) 배터리를 사용하여야 함.
- 배터리 재충전은 할 수 없음.
- 배터리는 올바른 극성으로 기기에 삽입되어야 함.

5. 인증(변경)사항

·1차 변경(2021.04.08): 기존 제2019-084667-01-1호에서 IECEx 인증서 갱신 및 기재사항 변경이 발생하여 재발행함.

6. 그 밖의 사항

- 안전인증품의 품질관리, 확인심사 수검, 변경사항 신고 등 인증 받은 자의 의무 준수
- 본 안전인증서는 반드시 관련 IECEx 인증서(IECEx SIR 19.0003X Issue No.2)와 함께 사용

2020년 1월 30일

한국산업기술시험원장





شهادة مطابقة CERTIFICATE OF CONFORMITY

Certificate Number:	24-01-97373/E23-11-096711/NB0010	رقم الشهادة:
Registration Date:	05/01/2024	تاريخ التسجيل:
Valid Until:	04/01/2025	صالحة لغاية:
Issued To:	Baker Hughes Energy FZE P.O. Box 17850 ,Jebel Ali MO0531 Dubai	أصدرت إلى:
Sector:	Electrical كهرباء	قطاع:
Product Category:	ECAS-Ex الأجهزة الكهربائية المعدة للاستخدام في الأجواء القابلة للانفجار	تصنيف المنتج:
Product Sub-Category:	ECAS-Ex الأجهزة الكهربائية المعدة للاستخدام في الأجواء القابلة للانفجار	التصنيف الفرعي للمنتج:

Please check Schedule of certification for all product details يرجى التحقق من بيان التسجيل المرفق لجميع تفاصيل المنتجات



جهة معينة من قبل وزارة الصناعة والتكنولوجيا المتقدمة
Notified body by Ministry of Industry and Advanced Technology



Products are registered under the Emirates
Conformity Assessment Scheme (ECAS) based on
compliance to the Approved Standards



المنتجات مسجلة في نظام تقويم المطابقة الإماراتي (إيكاس)
بناء على مطابقتها للمواصفات المعتمدة

This is an electronic certificate and does not require stamp and
signature. Certificate will be invalid in case of any modification

هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير
في هذه الشهادة يلغيها.



بيان التسجيل SCHEDULE OF CERTIFICATION Ministry of Industry and Advanced Technology

Company Name:	Baker Hughes Energy FZE	اسم الشركة:	
Product Category:	ECAS-Ex	الأجهزة الكهربائية المعدة للاستخدام في الأجواء القابلة للانفجار	تصنيف المنتج:
Certificate No.:	24-01-97373/E23-11-096711/NB0010	رقم التسجيل:	
Registration Date:	05/01/2024	تاريخ التسجيل:	
Valid Until:	04/01/2025	صالح لغاية:	

Sr.No.	الاسم التجاري Brand Name	رقم الموديل Model Number	تفاصيل المنتج Product Details	تصنيف النجوم Star Rating	الأبعاد/الحجم Dimension/ Size	التقارير Reports	المواصفات المطبقة Applicable Standards	بلد المنشأ Country Of Origin
1	Druck	DPI705E-IS	DPI705E-IS (Handheld Digital Pressure Indicator) Ex ia IIC T4 Ga (Tamb = -10°C to +50°C)	N/A		IECEX SIR 19.0003X	UAE.S IEC 60079-11, UAE.S IEC 60079-0	United Kingdom
Nothing Follows								



جهة معينة من قبل وزارة الصناعة والتكنولوجيا المتقدمة
Notified body by Ministry of Industry and Advanced Technology



This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification



هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.

GOVERNMENT APPROVED TEST LABORATORY
IN TERMS OF ARP 0108: "REGULATORY REQUIREMENTS FOR EXPLOSION PROTECTED APPARATUS"

IA CERTIFICATE

Date Issued: **18 Oct 2022**
*Expiry date: **18 Oct 2025**
Page 1 of 3
Issue: 2

Ex – Type Examination Certificate

Certificate Number: **S-XPL/20.0139 X**
Equipment: **Handheld Digital Pressure Indicator**
Model / Type: **DPI705E-IS**
Applicant: **Druck Limited**

Fir Tree Lane
GROBY
Leicestershire
LE6 0FH
UNITED KINGDOM

Manufacturer: **Druck Limited**
Serial No: All serial numbers imported between issued- and expire date and all serial numbers covered by a valid report or acceptable product certification mark.

Supplied by
Druck Limited
Identified by Inspection Authority number
S-XPL/20.0139 X

And as described in the Explolabs file number **XPL/21226/20.0139 Issue 2** is hereby certified "Explosion Protected (Refer to clause 1, for Ex Rating)", having been examined and inspected in accordance with the relevant requirements of South African Standards.

SANS 60079-0: 2019 Ed 6 Explosive atmospheres Part 0: Equipment — General requirements
IEC 60079-0: 2017 Ed 7

SANS 60079-11: 2012 Ed 4 Explosive atmospheres Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-11: 2011 Ed 6

Risk of ignition provided:

Protection afforded	Equipment Protection Level (EPL)	Performance of protection	Conditions of operation	T class or Max Surface Temp (°C)
	Group			
Very high	Ga Group II	Two independent means of protection or safe even when two faults occur independently of each other	Equipment remains functioning in zones 0, 1 and 2	T4 (135°C)

This certification indicates compliance with R10.1 of the Mines Health and Safety Act and/or EMR 9(2) of the Occupational Health and Safety Act, provided that the apparatus is used as relevant in accordance with:

- i) SANS 10086 and IEC/SANS 61241-14 requirements as applicable;
- ii) Any conditions mentioned in the above report;
- iii) Any relevant requirements and codes of practice enforced in terms of the Mine Health and Safety Act or Occupational Health and Safety Act; and
- iv) Any restrictions and conditions enforced by the Chief Inspector of Mines or the Principal Inspector or the Chief Inspector: Occupational Health and Safety.
- v) A revision certificate replaces all previous version of the certificate.
- vi) * - Only covers equipment Imported between the "Issued" and "Expire" dates.
- vii) If and when your QAN (Quality Assurance Notification) Certificate for your equipment manufacturer expires during the valid period of the IA Certification (issued for your equipment) and a new certificate is not submitted the existing IA Certification will then be cancelled. It is thus the client's responsibility to always submit the updated and valid QAN certificate(s) to Explolabs (Pty) Ltd

This certificate supersedes all previous documents bearing the reference no **XPL/21226/20.0139 Issue1**.



1. GENERAL

The marking of the Handheld Digital Pressure Indicator shall include the following:

Ex ia IIC T4 Ga

Ta = -10°C to +50°C

DPI705E-IS is an intrinsically safe handheld digital pressure indicator intended for use in 'Zone 0' hazardous gas environment, gas group IIC, within operating ambient temperature of -10 °C to +50 °C. The equipment provides a single readout of the pressure of either an internal pressure sensor or (if fitted) an external remote pressure sensor which plugs into a binder connector socket on the side of the unit. This socket provides power at nominally 5 V and RS485 interface for the remote sensor for data transfer.

DPI705E-IS Accessory port socket Entity Parameters:

U_o = 7.32 V, **I_o** = 0.68 A, **P_o** = 0.84 W, **L_o** = 65.69 μH, **C_o** = 3.16 μF, **L_i** = 11.2 μH, **C_i** = 8.74 μF

The remote external pressure sensors interfacing with the main instrument must also be IECEx approved intrinsically safe to Level of protection "ia", EPL Ga, intended for use in 'Zone 0' hazardous gas environment gas group IIC.

DPI705E-IS equipment is powered by four AA cells connected in series. The equipment also contains an internal rechargeable lithium coin cell. The equipment contains one double-sided multi-layered printed circuit board.

The equipment main unit can also contain an internal pressure sensor. The internal pressure sensor consists of two internal printed circuit boards and a micro-machined silicon transducer. Internal pressure sensor device does not have entity parameters as it does not have an external interface.

On the front of the equipment it has several push-buttons for operation and an LCD display. The equipment enclosure is made from semi-conductive yellow PC/ABS plastic, and the LCD display is covered by a glass screen.

There is also a piezo-electric buzzer mounted internal to the equipment.

The socket on the side of the unit where an external remote pressure sensor can interface is also powered internally by the main instrument. Entity parameters for connecting the external remote pressure sensor in hazardous areas are defined. The equipment is either fitted with an internal pressure sensor or used with a suitably certified external remote pressure sensor, but both types of pressure sensors cannot be used at the same time.

The equipment has a single main pressure port (left side of front view) and has an optional reference pressure port (right side of front view) when configured with a differential pressure sensor. All pressure ports are made of steel. When the reference port is not present the position is blanked with a 0.5 mm steel label.

The AA primary cells that power the equipment are intended to be removed and replaced by the end-user in hazardous environment. Only specific types of cells are permitted to be used in conjunction with this equipment, refer to certificate and marking plate.

Conditions of Manufacture

The DPI705E-IS incorporates a previously certified battery (Baseefa14ATEX0107U). It is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with this device. The manufacturer shall inform CSA Group of any modifications to the device that may impinge upon the explosion safety design of the equipment.

Based on the following documentation: IECEx SIR 19.0003X Issue No.: 3

2. INSTALLATION INSTRUCTIONS

It is the manufacturer's responsibility to supply installation instructions with each unit offered for sale as required by IEC/SANS 60079-0 Clause 30.

This certificate supersedes all previous documents bearing the reference no XPL/21226/20.0139 Issue1.

DOCUMENT No: XPL0213	RELEASE DATE: 29/05/2018	REV: 7
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Government of India
Ministry of Commerce & Industry
Petroleum & Explosives Safety Organisation (PESO)
5th Floor, A-Block, CGO Complex, Seminary Hills,
Nagpur - 440006

E-mail : explosives@explosives.gov.in
 Phone/Fax No : 0712 -2510248, Fax-2510577

Approval No : A/P/HQ/TN/104/5955 (P502026)

Dated : 22/03/2021

To,

M/s. Druck Limited,
Fir Tree Lane, Groby,Leicester
LE6 0FH Dipak.Chavan@bakerhughes.com
UK

Sub : Approval of Intrinsically Safe Type Electrical Equ under Petroleum Rules 2002- Regarding.

Sir(s),

Please refer to your letter No. **OIN754483** dated **01/03/2021** on the subject.

The following Ex electrical equipment(s) manufactured by you according to **IEC 60079-0 : 2017, IEC 60079-11 : 2011,** standards and covered under **SIRA** Test reports mentioned below is/are approved for use in **Zone 1,Zone 2** of Gas **IIC** hazardous areas coming under the the Petroleum Rules, 2002 administered by this Organization.

Sr. No	Description	Safety Protection	Equipment reference Number	Test Agency			Drawing no
				Name	Certificate No.	Certificate Date	
1	DPI705E-IS	Ex ia IIC T4 Ga	P502026/1	SIRA	IECEX SIR 19.0003X	27/01/2021	

This Approval is granted subject to observance of the following conditions:-

- 1)The design and construction of the equipment shall be strictly in accordance with description, condition and drawings as mentioned in the SIRA Test Reports referred to above.
- 2)The equipment shall be used only with approved type of accessories and associated apparatus.
- 3)Each equipment shall be marked either by raised lettering cast integrally or by plate attached permanently to the main structure to indicate conspicuously:-
 - (a) Name of the manufacturer
 - (b) Name and number by which the equipment is identified.
 - (c) Number & date of the test report of the SIRA applicable to the equipment.
 - (d) Equipment reference number of this letter by which use of apparatus is approved.
 - (e) Protection level.
- 4) A certificate to the effect that the equipment has been manufactured strictly in accordance with the drawing referred to in the SIRA Test report and is identical with the one tested and certified at SIRA shall be furnished with each equipment.

- 5) The customer shall be supplied with a copy of this letter, an extract of the conditions and maintenance schedule, if any, recommended by SIRA in their test reports and copy of instructions booklet detailing operation & maintenance of the equipment so as to maintain its Flame Proof characteristics.
- 6) The After sales service and maintenance of subject equipment shall be looked after by your representative GE Oil & Gas India Private Limited, Smart Works Co-working, 10th Floor, Olympia National Tower, A3, A4, Block-3, Guindy Estate

This approval also covers the permissible variations as approved under the SIRA test reports referred above. This approval is liable to be cancelled if any of the conditions of the approval is violated or not complied with . The approval may also be amended or withdrawn at any time, if considered necessary in the interest of safety.

The field performance report from actual users/your customers of the subject equipment may please be collected and furnished to this office for verification and record on annual basis.

The Approval is Valid upto **31/12/2025**

Yours faithfully,

(K Srinivasa Rao)
Controller of Explosives
For Chief Controller of Explosives
Nagpur

Copy to :

1. Jt. Chief Controller of Explosives, South Circle Office, CHENNAI
2. GE Oil & Gas India Private Limited, Smart Works Co-working, 10th Floor, Olympia National Tower, A3, A4, Block-3, Guindy Estate

for Chief Controller of Explosives
Nagpur

(For more information regarding status, fees and other details please visit our website <http://peso.gov.in>)

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