

Certificate of Conformity

Ex EQUIPMENT

Certificate No.:	ANZEx 25.4209X	Current Issue:	0	Date of Issue:	2025-11-26
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Applicant: **Druck Ltd**
Fir Tree Lane
Groby
Leicester LE6 0FH
United Kingdom

Equipment: Handheld Digital Pressure Indicator
DPI705E-IS

Type of Explosion Protection: Intrinsic safety "i"

Explosion Protection Marking: Ex ia I Ma (-10°C ≤ Ta ≤ +50°C)
Ex ia IIC T4 Ga (-10°C ≤ Ta ≤ +50°C)

*This certificate is granted subject to the requirements as set out in
Joint Accreditation System of Australia and New Zealand Publications
ANZEx System Rules 2020 & ANZEx Certified Equipment Scheme Rules 2021*

Signed for and on behalf of issuing body



Name & Position

James Bes – Certification Authority

This certificate is not transferable and remains the property of the issuing body.

The status of this certificate can be confirmed through the database located at www.anzex.com.au

Certificate issued by:

Ex Testing & Certification Pty Ltd
1/30 Kennington Drive, Tomago NSW 2322 Australia

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Groby
Leicester LE6 0FH
United Kingdom

Manufacturing Location(s): Druck Ltd
Fir Tree Lane
Groby
Leicester LE6 0FH
United Kingdom

STANDARDS:

The equipment and any acceptable variations to it specified in the schedule of this certificate, and the identified documents, were found to comply with the following standards:

IEC 60079-0:2017 Explosive atmospheres – Part 0: Equipment—General requirements
IEC 60079-11:2011 Explosive atmospheres – Part 11: Equipment protection by intrinsic safety "i"

This Certificate does not indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

(Certificate format based on template QMA-HAE-08-720 dated 2025-09-01)

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Schedule

Equipment Description:

The DPI705E-IS is an intrinsically safe handheld digital pressure indicator intended for use in Group I and Group IIC atmospheres, within operating ambient temperature of -10°C to +50°C. It provides a single readout of the pressure of either an internal pressure sensor or a separately certified external remote pressure sensor which plugs into the accessory port socket on the side of the unit. The equipment is powered by four GP 15A Alkaline AA batteries which are user replaceable in the non-hazardous area only.

The equipment contains a main board which contains the microcontroller, power supplies, display driver and keypad buttons. 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 pressure transducer.

The front of the equipment has several push-buttons for operation and an LCD display. The equipment enclosure is made from dissipative yellow PC/ABS plastic, and the LCD display is covered by a glass screen. The equipment is provided with a protective skin made from black dissipative silicone which must be fitted when the equipment is in the hazardous area. The enclosure provides IP54 ingress protection when installed within the protective skin.

The enclosure 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 metal and are electrically connected to the internal circuits. When the reference port is not present the position is blanked.

The accessory port socket interface provides power and RS485 interface for the separately certified remote sensor for data transfer. It is not possible to use both the internal and remote sensors at the same time. The intrinsic safety parameters for the accessory port socket are shown in the electrical parameters section.

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Electrical Ratings/Parameters

DPI705E-IS Accessory port socket	
U _o	7.32V
I _o	0.68A
P _o	0.84W
L _o	65.69μH
C _o	3.16μF
L _i	11.2μH
C _i	8.74μF

Note: The C_o and L_o above have not been assessed in combination.

Specific Conditions of Use:

1. The batteries shall only be replaced in a non-hazardous area using GP 15A Alkaline AA batteries
2. The equipment shall only be used when installed inside the protective skin
3. For Group I applications, the equipment shall be used in a location with a low risk of impact.

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Manufacturer's Documents/Drawings associated with this issue:

Document/Drawing Title	Document/Drawing Number	Pages / Sheets	Revision	Date
DPI705E CERTIFICATION SCHEMATIC (CSA) (Main board schematic)	133M7957	5	A	2019-07-15
PCB FABRICATION PLOTS FOR CSA DPI705E CERTIFICATION (Main board PCB layout)	133M7959	7	A	2019-07-15
DPI705E-IS BOARD C&C PROOF (CSA)	133M9030	30	A	2019-07-15
DPI705E-IS INSULATING SHEET	134M3557	1	-	2019-04-17
DPI705E-IS DISPLAY INSULATING SHEET	137M4543	1	-	2019-05-25
DPS500D MEASURE BOARD GERBERS (CSA)	158M4683	7	A	2024-06-12
DPI705E-IS BOM ANZEx Group I (ExTC) (BOM for all boards)	187M4248	7	A	2025-06-16
DPI705E-IS ANZEx MARKING DETAILS (ExTC)	188M1898	1	-	2025-10-10
ANZEx SAFETY MANUAL (ExTC)	188M2681	5	A	2025-11-18
DPI705E-IS GENERAL CONSTRUCTION ANZEx (ExTC)	191M0563	2	-	2025-11-19
DPI705E-IS SENSOR DETAILS (ExTC)	191M4287	10	-	2025-10-14

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Register of Issues and Variations

includes the current issue

Issue 0 dated 2025-11-26

Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs:	REP25024-01 by Ex Testing and Certification
QAR No. & Issuing CB:	GB/BAS/QAR06.0059/13 by SGS United Kingdom Ltd
File Reference:	25024