



UK - Type Examination Certificate

- (1)
- (2) Equipment and protective systems intended for use in potentially explosive atmospheres – **UKSI 2016:1107 (as amended)**
- (3) UK - Type Examination Certificate Number

EPS 22 UKEX 1 370 X

Revision 1

- (4) Equipment: Process pressure transmitter dTRANS p20 process pressure transmitter type 403026
JUMO dTRANS p20 DELTA type 403023
- (5) Manufacturer: JUMO GmbH & Co. KG
- (6) Address: Moritz-Juchheim-Strasse 1
36039 Fulda
Germany
- (7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.
- (8) Bureau Veritas Consumer Products Services United Kingdom Limited, approved body No. 8507 in accordance with UKSI 2016:1107 (as amended) Part 4, certifies that this equipment has been found to comply with the essential health and safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Schedule 1 of UKSI 2016:1107 (as amended). The examination and test results are recorded in the confidential documentation under the reference number 22TH0507.
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:


EN IEC 60079-0:2018

EN 60079-1:2014

EN 60079-26:2015

EN 60079-31:2014

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the annex to this certificate.
- (11) This UK - Type Examination Certificate relates only to the design and construction of the specified equipment in accordance with UKSI 2016:1107 (as amended). Further requirements apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.
- (12) The marking of the equipment shall include the following:

 II 1/2G Ex db IIC T6...T4 Ga/Gb
II 2D Ex tb IIIC T105°C Db



Certification department of explosion protection

Warrington, 11-06-2024


Natalie Wilkinson



Certificates without signature and seal are void. This certificate is allowed to be distributed only if not modified. Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services United Kingdom Limited. EPS 22 UKEX 1 370 X, Revision 0.



(13)

Annex

(14) **UK - Type Examination Certificate EPS 22 UKEX 1 370 X**

Revision 1

(15) Description of equipment:

The process pressure transmitter JUMO dTRANS p20 type 403026 or JUMO dTRANS p20 DELTA type 403023 serves for converting a physical measured quantity (pressure) into a standard electrical signal (current signal 4...20 mA). They are intended for use in potentially explosive atmospheres. The precision cast stainless steel enclosure of the pressure transmitter is dust-tight with the minimum type of protection IP 66 according to IEC 60529.

Electrical data:

Supply circuit

U = 12 V DC up to 36 V DC
I ≤ 22mA

Classification of installation and use:

stationary

Ingress protection:

IP66

Rated ambient temperature range:

Assignment between the maximum permissible ambient temperature in the electronic enclosure, measuring temperature and the maximum surface temperature for the process pressure transmitter is shown in the following values:

JUMO dTRANS p20 Typ 403026:

Ambient temperature:

T6: -50 °C ... +60 °C

T5: -50 °C ... +70 °C

T4: -50 °C ... +85 °C

T105: -50 °C ... +85 °C

Maximum permissible measuring substance temperature:

T6: +70 °C

T5: +85 °C

T4: +115 °C

T105: +100 °C

JUMO dTRANS p20 DELTA Typ 403023:

Ambient temperature:

T6: -50 °C ... +60 °C

T5: -50 °C ... +70 °C

T4: -50 °C ... +85 °C

T105: -50 °C ... +85 °C

Maximum permissible measuring substance temperature:

T6: +70 °C

T5: +85 °C

T4: +110 °C

T105: +100 °C

(16) Reference number: 22TH0507

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Bureau Veritas Consumer Products Services United Kingdom Limited
<https://www.bureauveritas.co.uk/consumer-products-testing>
+44 (0) 1925 854 360

Registered Office: 4b Olympic Way
Birchwood, Warrington, WA2 0YL

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(17) Special conditions for safe use:

In the temperature range of -40 °C to -50 °C the lid with inspection glass of the appliance has to be additionally protected against mechanical impact- respectively collision effect.

Where temperatures higher than +70 °C occur at the cable entry or +80 °C at the junction of the conductors, only a tested and heat-resistant cable must be connected.

Only separately certified cable glands and blanking elements according to UKCA may be used. Unused openings shall be closed with the aforementioned blanking elements.

(18) Essential health and safety requirements:

Met by compliance with standards.

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