Translation

(1) # EU-Type Examination Certificate

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**

(3) **Certificate Number** **TÜV 16 ATEX 177609 X** **Issue:** 00

(4) for the product: JUMO Wtrans T03.G1/G2 Ex Typ 902930...

(5) of the manufacturer: **JUMO GmbH & Co KG**

(6) Address: Moritz-Juchheim-Str. 1
36039 Fulda
Germany

Order number: 8003046631

Date of issue: See signature

(7) The design of this product and any acceptable variation thereto are specified in the schedule to this EU-Type Examination Certificate and the documents therein referred to.

(8) The TÜV NORD CERT GmbH, Notified Body No. 0044, in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014, 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 Annex II to the Directive.
The examination and test results are recorded in the confidential ATEX Assessment Report No. 22 203 324739.

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

EN IEC 60079-0:2018/AC:2020-02 **EN 60079-11:2012** **EN 60079-26:2015**

except in respect of those requirements listed at item 18 of the schedule.

(10) If the sign ”X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions for Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design, and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the product shall include the following:

II 1 G Ex ia IIB T4 Ga	resp.	II 1 D Ex ia IIIB T_{200}130°C Da	resp.
II 1/2 G Ex ia IIB T4 Ga/Gb	resp.	II 1/2 D Ex ia IIIB T_{200}130°C Da/Db	

TÜV NORD CERT GmbH, Am TÜV 1, 45307 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The deputy head of the notified body

TÜVNORD Digital unterschrieben von Drews Anke Datum: 2023.10.20 12:46:04 +02'00'

Hanover office, Am TÜV 1, 30519 Hannover, Tel. +49 511 998-61455, Fax +49 511 998-61590

(13) **S C H E D U L E**

(14) **EU-Type Examination Certificate TÜV 16 ATEX 177609 X Issue 00**

(15) Description of product
The device is an intrinsically safe, battery-powered resistor-type thermometer for the use inside of explosive gas or dust atmospheres. The measured data are transmitted to a radio receiver located outside the explosive gas or dust atmosphere. The device can be used in non-stationary, screw-in and wall-mounted applications.

Technical data:

Permissible range of the ambient temperature: -30 °C to +85 °C

The maximum permissible medium temperature is +260 °C.

The permissible range of the ambient temperature at maximum medium temperature has to be taken from the following table, according to the length of the neck tube.

Length of the neck tube	Permissible range of the ambient temperature
70 mm	-30 °C to +70 °C
120 mm	-30 °C to +75 °C

If the medium temperature of the medium to be measured exceeds the maximum permissible value of the ambient temperature, the maximum ambient temperature has to be reduced according to the length of the neck tube. For interim values of the medium temperature between maximum permissible ambient temperature and maximum permissible medium temperature, the calculation instructions of the manufacturer have to be considered.

RF-Power	≤ 10 mW
Frequency	868.4 MHz
Power supply (battery)	Lithium battery part number of the manufacturer 00525539

(16) Drawings and documents are listed in the ATEX Assessment Report No. 22 203 324739

Schedule to EU-Type Examination Certificate TÜV 16 ATEX 177609 X Issue 00

(17) Specific Conditions for Use

1. The capacity of the non-earthed metal conduits of portable JUMO Wtrans T03 dependent on the type and are given in the following table. If the JUMO Wtrans T03 is used as a portable equipment, the Wtrans T03 has be taken into a potential free state. This can be done as example by contacting with a protective conductor.

Length of the neck tube	Diameter of the neck tube			
	D1	D2	D3	D4
	2 mm	> 2 up to 4 mm	> 4 up to 6 mm	> 6 up to 9 mm
0 up to 100 mm	18.9 pF	25.5 pF	30.4 pF	36.3 pF
> 100 up to 170 mm	32.1 pF	43.3 pF	51.6 pF	61.6 pF
> 170 up to 270 mm	51.0 pF	68.8 pF	82.0 pF	97.9 pF
> 270 up to 370 mm	69.9 pF	94.3 pF	112.4 pF	134.2 pF
> 370 up to 570 mm	107.6 pF	145.3 pF	173.1 pF	206.7 pF
> 570 up to 820 mm	154.8 pF	209.0 pF	249.0 pF	297.3 pF
> 820 up to 1070 mm	202.0 pF	272.7 pF	324.9 pF	388.0 pF
> 1070 up to 1570 mm	296.4 pF	400.2 pF	476.8 pF	569.3 pF
> 1570 up to 2070 mm	390.8 pF	527.7 pF	628.6 pF	750.6 pF
> 2070 up to 2570 mm	485.2 pF	655.1 pF	780.4 pF	931.9 pF

2. The battery has to be replaced only with the battery from the manufacturer with the part number 00525539.

(18) Essential Health and Safety Requirements

no additional ones

- End of EU-Type Examination Certificate -