



QPS Evaluation Services Inc
Testing, Certification and Field Evaluation Body
Accredited in Canada, the USA, and Internationally

File
LR1346

CERTIFICATE OF COMPLIANCE
(ISO TYPE 3 CERTIFICATION SYSTEM)

Issued to MTS Sensor Technologie GmbH & Co. KG
 Address Auf Dem Schüffel 9
 Lüdenscheid, Germany
 D-58513
 Project Number LR1346-1R1
 Product T-Sensors
 Model Number TH Series (See report LR1346-1R1 for full model code)

Ratings

Canada	US
Class I, Div, 1, Groups B, C, D Class II, III, Div 1 Groups E, F G Temperature code T4 Enclosure Type 3*	Class I, Div 1 Groups A, B, C, D Class II, III Div 1 Groups E, F G Temperature code T4 Enclosure Type 3*
Ex d IIC T4 Ga/Gb Ex tb IIIC T130°C Db	Class I, Zone 0/1 AEx d IIC T4 Class II/III, Zone 21 AEx tb IIIC T130°C

* Enclosure type marked depends on material selected - Grade 1.4305 is marked Type 3, Grade 1.4404 (316L equivalent) is marked Type 3X.
 Ta= -40°C to +90°C.
 Voltage: +24 Vdc (-15%/+20 %) or +9Vdc to +28.8Vdc with HVR option
 Current: up to 140 mA

Applicable Standards

CSA-C22.2 No.61010-1-12, edition 3 (2012)
 CSA C22.2 No. 25-1966
 CSA C22.2 No. 30-1986
 CSA C22.2 No 94-M91
 CSA C22.2 No. 60079-0, edition 3, (2015)
 CSA C22.2 No. 60079-1, edition 2, (2011)
 CSA C22.2 No. 60079-7, edition 1, (2012)
 CSA C22.2 No. 60079-31, Edition 2 (2015)

ANSI/ISA-61010-1 (82.02.01), edition 3 (2012)
 FM 3600, 2011
 FM 3615, 2006
 FM 3616, 2011
 NEMA 250 2014
 ANSI/ISA 60079-0 (12.00.01) -2009, edition 6
 ANSI/ISA 60079-1 (12.22.01) -2009, edition 6
 ANSI/ISA 60079-7 (12.16.01) -2008, edition 2
 ANSI/ISA 60079-26 (12.00.03) -2011, edition 1
 ANSI/ISA 60079-31 – 2015, edition 2

Factory/Manufacturing Location Same as Applicant



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Statement of Compliance: The product(s) identified in this Certificate and described in the Report covered under the above referenced project number have been investigated and found to be in compliance with the relevant requirements of the above referenced standard(s). As such, they are eligible to bear the QPS Certification Mark shown below, in accordance with the provisions of QPS's Service Agreement.



Issued By: **Dave Adams, P.Eng.**
Manager, Hazardous Locations Dept. [Ex. Equipment]

Signature: 

Date: December 21, 2017