



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

File
LR1427

CERTIFICATE OF COMPLIANCE
(ISO TYPE 3 CERTIFICATION SYSTEM)

Issued to	Daily Thermetrics Corporation
Address	5700 Hartsdale Drive Houston, TX 77036 USA
Project Number	LR1427-3
Product	Industrial Sensor Assembly 360HZ Series
Model Number	360HZ-bcde-fgh-ijkl-m-n-opqrstuvwxyz-w (Refer to Report No. LR1427-3de for the full model nomenclature)
Ratings	$U_{max} = 30 \text{ V dc SELV or PELV}$ See IOM for process temperature and pressure limits!
Markings	Class I, Division 2, Groups A, B, C, D T6...T4 Class I, Zone 1, AEx db eb IIC T6 ... T4 Gb Ex db eb IIC T6 ... T4 Gb Ta= -40 °C to +80 °C; Type 4X; IP66
Applicable Standards	CSA C22.2 No. 60079-0:2015 CSA C22.2 No. 60079-1: 2016 CSA C22.2 No. 60079-7: 2016 CSA C22.2 No. 213-17 3 rd ed. UL 60079-0 7 th ed. UL 60079-1 7 th ed. UL 60079-7 5 th ed. UL 121201 9 th ed.
Factory/Manufacturing Location	Same as Applicant

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 [Ex Equipment] Department

Signature:

Date: March 17, 2021



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General Requirements:

1. Grounded junctions are not capable of withstanding the 500 V rms between the measurement circuit and ground. This must be taken into account during installation.
2. Industrial Sensor Assembly 360HZ Series must be either connected to a SELV or PELV system, or directly connected to an apparatus compliant with IEC 60950 series, IEC 610101-1, or equivalent.
3. The assembly is tagged with design pressure and temperature. These values shall not be exceeded. Specifically, during normal operation, the maximum operating temperatures of any component of the sensor assembly must not exceed the designed temperature indicated on the product. The probe must not be exposed to a pressure higher than indicated on the product.
4. The cable glands must be properly selected to suit the final application of the assembly and/or to maintain the protection method marked thereon.
5. For an ambient conditions over 70 °C and up to 80 °C, a cable with thermostability of its insulation of minimum 80 °C / 90 °C shall be used. Special attention shall be given to the source of heating the equipment is intended to be attached to, because it can contribute such to elevate the local ambient temperature for the cable. The end user shall read and follow the User Manual where this concern is given them to attention.
6. In case of application of the Industrial Sensor Assembly 360HZ Series in locations classified by Division system (in particular, Division 2), the following applies:
The Industrial Sensor Assembly 360HZ Series permits cable entry devices to be added in the field and they must provide environmental sealing equivalent to IP66 and/or Type 4X.
7. In case of application of the Industrial Sensor Assembly 360HZ Series in locations classified as Zone 1, the following applies:
The Industrial Sensor Assembly 360HZ Series permits conduits entries to be added in the field and they must be installed within 18 inches (0.46 m) of the enclosure.
8. All threaded joints, including thermowell, union and nipple joints, shall be properly tightened in order to maintain the declared ingress protection IP66 and/or Type 4 associated ingress protection.
9. Metal sheath containing thermocouple and/or RTD wires and flexible metal conduit containing extension/lead wires must be protected against impact in the final installation position of this assembly.