



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

File
LR1437

CERTIFICATE OF COMPLIANCE
(ISO TYPE 3 CERTIFICATION SYSTEM)

Issued to	Anton Paar GmbH
Address	Anton-Paar-Strasse 20 Graz, Austria, 8054
Project Number	LR1437-3
Product	Density and Sound Velocity Sensor
Model Number	L-Com 5500 HAS Ex d
Ratings	24 Vdc ± 20%, max. 5 W / max. 8W (with Pico 3000)
Markings	See below for markings
Applicable Standards	CSA C22.2 No. 60079-0:2015 CSA C22.2 No. 60079-1: 2016 CSA C22.2 No. 30-1986 CSA C22.2 No. 61010-1-12 CSA C22.2 No. 60529:16 CSA C22.2 No. 94.2-2015 UL 60079-0:2013 UL 60079-1:2015 FM 3615:2006 FM 3600:2011 UL 61010-1:2012 Edition 3 IEC/ANSI 60529-2004 UL 50E 2nd edition
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: April 4, 2019



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Model	Markings
L-Com 5500 HAS Ex d L-Com 5500 HAS NPT Ex d	Class I Division 1 Gr CD T4/T5 Ex db IIB T4/T5 Gb Class I Zone 1, AEx db IIB T4/T5 Gb Ta= -25°C to +65°C Tp= -25°C to 95°C for T5 and -25 to 125°C for T4 Maximum process pressure: 50 bar IP66/Enclosure Type 4X WARNING: EXPLOSIVE HAZARD – READ AND FOLLOW THE INSTALLATION INSTRUCITONS AVERTISSMENT: RISQUE D'EXPLOSION – VOIR LE MANUAL D'INSTRUCTIONS
L-Com 5500 HAS Ex d (with Pico 3000) L-Com 5500 HAS NPT Ex d (with Pico 3000)	Class I Division 1 Gr CD T4/T5 Ex db IIB T4/T5 Gb Class I Zone 1, AEx db IIB T4/T5 Gb Ta= -25°C to +55°C Tp= -25°C to 95°C for T5 and -25 to 125°C for T4 Maximum process pressure: 50 bar IP66/Enclosure Type 4X WARNING: EXPLOSIVE HAZARD – READ AND FOLLOW THE INSTALLATION INSTRUCITONS AVERTISSMENT: RISQUE D'EXPLOSION – VOIR LE MANUAL D'INSTRUCTIONS
L-Com 5500 HAS Ex d (with Pico 3000 and HMI) L-Com 5500 HAS NPT Ex d (with Pico 3000 and HMI)	Class I Division 1 Gr CD T4/T5 Ex db IIB T4/T5 Gb Class I Zone 1, AEx db IIB T4/T5 Gb Ta= -20°C to +55°C Tp= -25°C to 95°C for T5 and -25 to 125°C for T4 Maximum process pressure: 50 bar IP66/Enclosure Type 4X WARNING: EXPLOSIVE HAZARD – READ AND FOLLOW THE INSTALLATION INSTRUCITONS AVERTISSMENT: RISQUE D'EXPLOSION – VOIR LE MANUAL D'INSTRUCTIONS

General Requirements:

Density and Sound Velocity Sensor L-Com 5500 HAS Ex d is suitable for application at an extended ambient temperature range and such is having defined special conditions for safe use as follow:

1. A seal shall be installed within 18 inches (0.46 m) of the enclosure. Seal all conduits within 18 inches (0.46 m).
2. Field wiring must be suitable for a minimum 90°C.
3. For conduit entries, use only already certified connection facilities suitable for application and rated for a minimum of 80°C.
4. Unused openings shall be closed using certified stopping plugs suitable for application and rated for a minimum of 80°C.