



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	LR1437-1R1
Product	Density Sensors
Model Number	See below for model information
Ratings	24 Vdc ± 20%, max. 2 W / max. 5W (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: February 12, 2020



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Model	Markings
L-Dens 7300 SST Petro Ex d L-Dens 7300 SST Petro NPT Ex d L-Dens 7300 SST Petro Ex d (with Pico 3000) L-Dens 7300 SST Petro NPT Ex d (with Pico 3000) Where SST denotes material: SST - Stainless Steel 1.4404	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= -40°C to +70°C Tp= -40°C to 95°C for T5 and -40°C to 125°C for T4 Maximum pressure: 50 bar IP66/Enclosure Type 4X
L-Dens 7300 SST Petro Ex d (with Pico 3000 and HMI) L-Dens 7300 SST Petro NPT Ex d (with Pico 3000 and HMI) Where SST denotes material: SST - Stainless Steel 1.4404	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 +60°C Tp= -40°C to 95°C for T5 and -40°C to 125°C for T4 Maximum pressure: 50 bar IP66/Enclosure Type 4X
L-Dens 7400 AAA Ex d L-Dens 7400 AAA NPT Ex d L-Dens 7400 AAA Ex d (with Pico 3000) L-Dens 7400 AAA NPT Ex d (with Pico 3000) Where AAA denotes material options: HAS - Hastelloy C-276 SST - Stainless Steel 1.4404 TAN - Tantalum INC - Incoloy 825	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= -40°C to +70°C Tp= -40°C to 95°C for T5 and -40°C to 125°C for T4 Maximum pressure: 50 bar IP66/Enclosure Type 4X
L-Dens 7400 AAA Ex d (with Pico 3000 and HMI) L-Dens 7400 AAA NPT Ex d (with Pico 3000 and HMI) Where AAA denotes material options: HAS - Hastelloy C-276 SST - Stainless Steel 1.4404 TAN - Tantalum INC - Incoloy 825	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 +60°C Tp= -40°C to 95°C for T5 and -40°C to 125°C for T4 Maximum pressure: 50 bar IP66/Enclosure Type 4X
L-Dens 7400 HAS HP Ex d L-Dens 7400 HAS HP NPT Ex d (High Pressure version) L-Dens 7400 HAS HP Ex d (with Pico 3000) L-Dens 7400 HAS HP NPT Ex d (with Pico 3000) (High Pressure version) Where HAS denotes material: HAS - Hastelloy C-276	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= -40°C to +70°C Tp= -40°C to 95°C for T5 and -40°C to 125°C for T4 Maximum process pressure: 180 bar for Tp ≤ 70°C 140 bar for Tp ≤ 125°C IP66/Enclosure Type 4X
L-Dens 7400 HAS HP Ex d (with Pico 3000 and HMI) L-Dens 7400 HAS HP NPT Ex d (with Pico 3000 and HMI) (High Pressure version) Where HAS denotes material: HAS - Hastelloy C-276	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 +60°C Tp= -40°C to 95°C for T5 and -40°C to 125°C for T4 Maximum process pressure: 180 bar for Tp ≤ 70°C 140 bar for Tp ≤ 125°C IP66/Enclosure Type 4X



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<p>L-Dens 7500 HAS Ex d L-Dens 7500 HAS NPT Ex d</p> <p>L-Dens 7500 HAS Ex d (with Pico 3000) L-Dens 7500 HAS NPT Ex d (with Pico 3000)</p> <p>Where HAS denotes material: HAS - Hastelloy C-276</p>	<p>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= -40°C to +70°C Tp= -40°C to 95°C for T5 and -40°C to 125°C for T4 Maximum pressure: 50 bar IP66/Enclosure Type 4X</p>
<p>L-Dens 7500 HAS Ex d (with Pico 3000 and HMI) L-Dens 7500 HAS NPT Ex d (with Pico 3000 and HMI)</p> <p>Where HAS denotes material: HAS - Hastelloy C-276</p>	<p>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 +60°C Tp= -40°C to 95°C for T5 and -40°C to 125°C for T4 Maximum pressure: 50 bar IP66/Enclosure Type 4X</p>
<p>Pico 3000 RC Ex d (with Pico 3000 and HMI) Pico 3000 RC NPT Ex d (with Pico 3000 and HMI)</p>	<p>Class I Division 1 Gr CD T5 Ex db IIB T5 Gb Class I Zone 1, AEx db IIB T5 Gb Ta= -20°C to +60°C IP66/Enclosure Type 4X</p>
<p>Notes:</p> <ol style="list-style-type: none"> 1. Field wiring must be suitable for a minimum 90°C. 2. For conduit entries, use only already certified connection facilities suitable for application and rated for a minimum of 80°C. 3. Unused openings shall be closed using certified stopping plugs suitable for application and rated for a minimum of 80°C. 	