



Product Service

(1) EU-Type Examination Certificate

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – **Directive 2014/34/EU**

(3) EC Certificate of Conformity Number:

TPS 19 ATEX 018013 016 X Rev. 00



(4) Equipment: Density and Sound Velocity Sensor
Type: L-Com 5500 HAS Ex d

(5) Manufacturer: Anton Paar GmbH

(6) Address: Anton-Paar-Straße 20
8054 Graz
Austria

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) TÜV SÜD Product Service as notified body No. 0123 according to article 17 of the Directive 2014/34/EU of the European Parliament and the Council of the European Union certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive.

The examination and test results are recorded in the confidential report TB_713157039_Rev_00.

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

EN 60079-0:2012/A11:2013

EN 60079-1:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture and supply of this equipment.

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

II 2G Ex db IIB T4/T5 Gb

Office of certification of explosion protection
Ridlerstraße 65, 80339 München

München, 13.05.2019

Stefan Vierbücher

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Product Service

Model	Variation			Marking and Values		
	Pico 3000		HMI			
	without	with	with			
				Temperatures and temperature class	Ta= -25°C until 55°C Tp= -25°C until 95 °C -25°C until 125°C	- T5 T4
				Maximum process pressure:	50 bar	
				Power data :	24 Vdc ± 20%, max. 8 W	
L-Com 5500 HAS Ex d		X	X	Ex-marking	⊕ II 2G Ex db IIB T4/T5 Gb	
				Temperatures and temperature class	Ta= -25°C until 55°C Tp= -25°C until 95 °C -25°C until 125°C	- T5 T4
				Maximum process pressure:	50 bar	
				Power data :	24 Vdc ± 20%, max. 8 W	
L-Com 5500 HAS NPT Ex d		X	X	Ex-marking	⊕ II 2G Ex db IIB T4/T5 Gb	
				Temperatures and temperature class	Ta= -25°C until 55°C Tp= -25°C until 95 °C -25°C until 125°C	- T5 T4
				Maximum process pressure:	50 bar	
				Power data :	24 Vdc ± 20%, max. 8 W	

Electrical Data:

Nominal Voltage:	24 Vdc ± 20% (Safety extra low voltage SELV)	
Nominal Power:	without Pico 3000	with Pico 3000
	max. 5 W	max. 8 W

(16) Test report: TB_713157039

(17) Special conditions for safe use:

The specified ambient temperature range which deviates from the standard temperature range, $-20^{\circ}\text{C} \leq T_{\text{amb}} < +55^{\circ}\text{C}$ for variations with HMI and Pico 3000, $-25^{\circ}\text{C} \leq T_{\text{amb}} < +55^{\circ}\text{C}$ for variations without HMI and with Pico 3000 as well as $-25^{\circ}\text{C} \leq T_{\text{amb}} < +65^{\circ}\text{C}$ for the variation without HMI and without Pico 3000.

According to EN 60079-1:2014 cl. 16.1.2, the following routine tests shall be carried out:

- Static overpressure test with 13 bar on all oscillator tubes or one of the inspection methods listed in EN 60079-1, Clause 16.3
- Hydrostatic overpressure test with 75 bar on all oscillator tubes

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