



Type Approval Certificate

Germanischer Lloyd

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 15 412 - 00 HH

Company Klay-Instruments B.V.
Nijverheidsweg 5
NL-7991CZ Dwingeloo

Product Description Pressure Transmitter Series CER 8000

Type CER 8000-x-SS

Environmental Category C, F, EMC1

Technical Data /
Range of Application Measuring ranges "x": 0-0.1 bar to 0-350 bar
Accuracy class: $\pm 0.2\%$
Temperature sensitivity: $\pm 0.015\%$ / 1K
Power supply: 24 V DC
Output signal: 4-20 mA, 2-wire connection
Sensing element: ceramic sensor
Electrical connection: PG9 cable gland
Process connection: G1/2" (male) G1/4" (female)
Wetted parts: AISI 316
Electronic housing: AISI 304
Degree of protection: IP 65

Test Standard Guidelines for the Performance of Type Approvals, Chapter 2 - Edition 2003

Documents Test Report 1999-CMC-R030 of TNO; TNO-report BU4.00/036506-1/AA
Test Report of Klay, July/August 1999
EMC Test Report of NMI Niekerk (Project No. 10112176)
EMC Test Report of NMI dated 10 Jan 1996, Data Sheet: D/D/Peramic/05.96/02

Remarks None

Valid until 2010-06-13

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File No. I.D.01

Hamburg, 2005-01-22

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Certificate No.	15 410 - 00 HH
Company	Klay-Instruments B.V. Nijverheidsweg 5 NL-7991CZ Dwingeloo
Product Description	Pressure-/Level Transmitter Series 8000
Type	8000-SAN-x-F-S; 8000-x-S-S Hydrobar-cable (x)-x-S
Environmental Category	C, F, EMC1
Technical Data / Range of Application	Type 8000-SAN-x-F-S: - Measuring ranges "x": 0 - 0.08 bar to 0 - 50 bar - Process connection: Flange Type 8000-xSS: - Measuring ranges "x": 0 - 0.1 bar to 0 - 16 bar - Process connection: 1" BSP connection Hydrobar-cable (x)-x-S: - Measuring ranges "x": 0 - 0.1 bar to 0 - 4 bar - Process connection: 1" BSP connection - Shielded cable: standard length "(x)": 3 m, other on request Output signal: 4-20mA, 2-wire Power supply: 24V DC Electrical connection: PG9 Cable Gland Wetted parts: AISI 316 Electronic housing: AISI 304
Test Standard	Guidelines for the Performance of Type Approvals, Chapter 2 - Edition 2003
Documents	Test Report 1999-CMC-R030 of TNO; TNO-report BU4.00/036506-1/AA Test Report of Klay, July/August 1999; Circuit diagram 1399B, dated 13-10-95 EMC Test Report of NMI Niekerk, EMC Test Report of ELS dated 2 May 1997 Data Sheets:D/E/ -8000-SAN/07-98/02, -8000/01-99/03, -Hydrobar/01-99/02
Remarks	None
Valid until	2010-06-13

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This certificate is issued on the basis of 'Regulations for the Performance of Type Tests, Part 0, Procedure'.