

Type Approval Certificate



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. **15 410 - 00 HH**

Company **Klay-Instruments B.V.
Nijverheidsweg 5
7991CZ Dwingeloo, NETHERLANDS**

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 **2015-06-13**

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File No. **I.D.01**

Hamburg, 2010-01-20

Germanischer Lloyd

Jürgen Wittburg

Dariusz Lesniewski

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".

Type Approval Symbol



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Certificate No. **15 412 - 00 HH**

Company **Klay-Instruments B.V.
Nijverheidsweg 5
7991CZ Dwingeloo, NETHERLANDS**

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**

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