



# 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. **20 805 - 04 HH**

Company **WIKA**  
**Alexander Wiegand SE & Co. KG**  
**Alexander-Wiegand-Str. 30**  
**63911 Klingenberg, GERMANY**

Product Description **Intrinsically Safe Pressure Transmitter**

Type **IS-20-S /-F**  
**IS-21-S /-F**

Environmental Category **D, F, EMC1**

Technical Data /  
Range of Application **Power supply: 10...30V DC**  
**Output signal: 4...20mA, 2-wire**  
**Pressure ranges: 0 ...0.1bar up to 0...1000 bar**  
**(vacuum, gauge pressure, absolute pressure are available)**  
**Accuracy: typical better then 0.5% of FS**  
**Electrical connection:**  
**(...-S) plug connector DIN EN 175301-803 (DIN 43650 A), M12, MIL or cable entrie**  
**(...-F) terminal box**  
**Wetted parts: IS-20-S /-F CrNi-Steel**  
**IS-21-S /-F CrNi-Steel (Hastelloy C4)**  
**Process connection: thread (according to the manufacturer's data sheet)**  
**Degree of protection:**  
**(...-S) IP 65 / 67 / IP 68 (1m, 60 min.), see data sheet for details**  
**(...-F) IP 65 / 67 / IP 68 (1m, 16 h), see data sheet for details**

**\*see page 2 of certificate for continuation**

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

Documents **Test Report IS20 / 21, IL-10 6/04 of WIKA dated 01-07-2004**  
**WIKA Data Sheet PE 81.52 09/2008**  
**Circuit Diagrams: E 1171615.04-9, E 1171844.08-9, E 1171852.06-9, E 1172271.05-9**  
**Part Lists, PB-Layouts, Construction Drawings**

Remarks **None**

Valid until **2014-09-28**

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

Hamburg, **2009-09-29**

Type Approval Symbol



**Germanischer Lloyd**

Jürgen Wittburg

Dariusz Lesniewski

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

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Ex-proof protection: see Ex-proof certificates

Environmental category 'H' for vibration test:

(...-S) acceleration = 20g, frequency range: up to 2000Hz

(...-F) acceleration = 10g, frequency range: up to 2000Hz

Medium: gaseous and liquids which will not obstruct the pressure system or attack stainless steel parts

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