

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. **85 427 - 93 HH**

Company **Smar Equipamentos Industriais Ltda**
1028 Dr. Aantonio Furlan Jr. Street
14 170-480 Sertaozinho-Sao Paulo, BRAZIL

Product Description **Pressure Transmitter**

Type **LD 301**

Environmental Category **D, EMC2**

Technical Data /
Range of Application **LD 301 with HART protocol**
Two-wire transmitter
Power supply: 24 V DC
On/out signal: 4 - 20 mA
Ranges: 0 - 1,25 mbar to 0 - 400 bar
Option: LCD-display in transmitter
Wetted parts: 1.4404, 1.4401, 2.4819, 2.4360 or tantal, individual selectable
Output: Signal may be expanded (40:1)
Hart-Protocol for remote communication available

Degree of protection: IP 67

Software Version V 3.06

Test Standard **Regulations for the Performance of Type Tests, Part 1, Edition 2001**
Regulations for the Use of Computers and Computer Systems

Documents **Test Report: RMS 5-04/93 dated 30-04-1993; 9110/04 14475 dated 11-02-2004;**
INPE/LIT.PX.001/03 SM15-R01 dated 01-2003; EST-DE-0006-04R1_EN dated 06-2004;
Manual LD 301, Circuit diagram: 38D-1932
Hoechst LD 301/139 from .2.3.92, LD 301 from 13.11.95

Remarks **None**

Valid until **2014-12-16**

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Type Approval Symbol



File No. I.D.01

Hamburg, 2009-12-17

Germanischer Lloyd

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