



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. 24 287 - 04 HH

Company BD SENSORS GmbH
BD-Sensors-Straße 1
D-95199 Thierstein

Product Description Hydrostatic Level Transmitter

Type LMK 457 (standard version)
DX13-LMK 457 (Ex version)

Environmental Category D, EMC1

Technical Data /
Range of Application Capacitive ceramic sensor element
Power supply: 24V DC rated (9...32V DC), Ex. (12...28V DC)
Output signal: 4...20mA, 2-wire, loop powered
Accuracy: 0.35% FS (see manufacturer's data sheet for more details)
Input pressure range: 0...0.04 up to 0...25 bar (0...0.4 up to 0...25mWC)
Mechanical connection: free suspended cable
screw-in, flange, pipe or mounting clamp (optional)
Ex-proof protection: II 1 G EEx ia IIC T4
(according to the certificate: TÜV 03 ATEX 2006 X)
Degree of protection: IP 68 (permanently submersible)
Requirement class 3

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

Documents Test Reports: EMV Services No. 04/3210-4, Paconsult No. 269-03.
EC Type-Examination Certificate TÜV 03 ATEX 2006 X; Car Syn. No. P05-0030
Technical Data Sheet: LMK 457 (LMK_E_170904), construction drawings,
circuit diagrams, component lists, software documentation

Remarks For Ex version the safety technical maximum values specified in the Ex-proof
certificate 'TÜV 03 ATEX 2006 X' to be observed

Valid until 2010-04-11

Page 1 of 1

Type Approval Symbol



File No. I.D.03

Hamburg, 2005-04-11

Germanischer Lloyd

J. Wittburg

D. Lesniewski

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