

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. **14 455 - 99 HH**

Company **Barksdale GmbH
Dorn-Assenheimer Strasse 27
61203 Reichelsheim, GERMANY**

Product Description **Hydrostatic Level Transmitter**

Type **UPA2-LMK 457-GL (Standard version)
UPA2-LMK 457-GL-HT (High temperature version)**

Environmental Category **D, EMC1**

Technical Data /
Range of Application **UPA2-LMK 457-GL with capacitive ceramic sensor element
Power supply: 24V DC rated (9 ... 32V DC)
Output signal: 4 ... 20mA, 2-wire
Input pressure range: 0 ... 0.1 up to 0 ... 20 bar (0 ... 1 up to 0 ... 200mWC)
Electrical connection: shielded cable with integrated air tube for atmospheric
reference
Mechanical connection: screw-in, flange, submersible
Material housing: standard - Copper-nickel alloy (CuNi10Fe1Mn)
option - stainless steel 1.4571
Degree of protection: IP 68
Software requirement class 3**

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

Documents **Test Reports no.: Paconsult 269-03 dtd. 20.11.03, 07-1481 dtd. 21.03.07,
07-1590 dtd. 26.10.07, EMV Services 07/7047-3-1 dtd. 27.11.07,
Car Synergies P05-0030 dtd. 02.03.05;
Technical Data Sheet: UPA2-LMK 457-GL Index A; Software documentation**

Remarks **None**

Valid until **2010-04-11**

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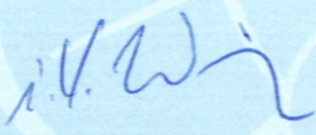
File No. **I.D.01**

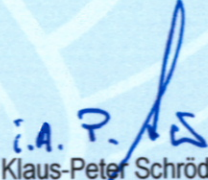
Hamburg, **2008-05-19**

Type Approval Symbol



Germanischer Lloyd


Jürgen Wittburg


Klaus-Peter Schröder

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

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UPA2-LMK 457-GL (Standard version)

Further documents

Assembly drawings no.:

56.604.000 (11.12.07), 56.604.001 (11.12.07), 56.604.020 (11.12.07), 76.604.000 (11.12.07),
56.604.010 (11.12.07), 56.604.085 (11.12.07)

Drawings electronic boards (Amplifier electronics+EMC boards):

ELI 17 + EMV 44 + EMV 13

UPA2-LMK 457-GL-HT (High temperature version with terminal box)

Technical Data / Range of Application

Power supply: 24V DC rated (12 ... 32V DC)

Output signal: 4 ... 20mA, 2-wire

Input pressure range: 0 ... 0.16 up to 0 ... 1 bar (0 ... 1.6 up to 0 ... 10mWC)

Electrical connection: shielded cable with integrated air tube for atmospheric reference

Mechanical connection: flange, submersible

Material housing: standard - Copper-nickel alloy (CuNi10Fe1Mn)

option - stainless steel 1.4571

Degree of protection: transmitter IP 68, terminal box IP 66

Optional: with PT 100 temperature sensor (3-wire)

Documents

Test Reports: BFSV no. 6196/07 dated 20.07.07, EMCC-962688C dated 19.11.07

Assembly drawings no.:

76.655.000 (18.04.07), 76.655.100 (18.04.07), ZB.601.050 (22.05.07)

Drawings electronic boards (Amplifier electronics+EMC boards):

ELV56 + ELV56-1 + EMV 37

Valid until **2010-04-11**

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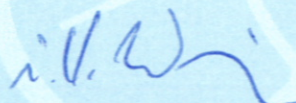
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