



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. 17 461 - 01 HH

Company KROHNE S.A.
Usine de Ors / BP 98
F-26103 Romans Cedex

Product Description Reflex - Radar, gauging and level measurement for liquids, interface and granular materials

Type BM 100

Environmental Category C

Technical Data / Range of Application Measuring range 1 to 60 m, Accuracy for liquids +/- 5mm out of dead zone
Operating temperature -30 to +150°C max. flange temperature +200°C
Degree of protection IP67

Safety according to Cenelec PTB EEx de [ia] IIC/IIB T6 - T3
or EEx d [ia] IIC/IIB T6 - T3 Zone 0 (Intrinsically safe output option)

Power supply 24, 48, 115, 230, 240 VAC 50/60 Hz

Current outputs 1 active current output max 400 Ohms
or 2 passive current outputs max 700 Ohms 4-20 mA for level and / or volume.

Communication Krohne Smart in standard version on the first output for remote programming via PC
Fiels bus RS 485 with Krohne protocol (without 4-20 mA output)
Software Version: V2.02 dated 2000.02.24

Test Standard Regulations for the Performance of Type Tests
Regulations for the Use of Computers and Computer Systems

Documents Test report : Emitech RG-00-91172-AA/JL, RQ-00-60768/1/YL/NG, RQ-00-60768/YL/NG, RQ-00-60600/BLS/NG, RQ-00-60600/1/FD/NG, RQ-00-60600/2/FD/NG
Software Questionnaire according Requirement Class 2, dated 2000-12-12

Remarks None

Valid until 2006-04-01

Page 1 of 1

Type Approval Symbol



File No. I.A.08

Hamburg, 2001-04-02

Germanischer Lloyd

H. Reinecke
H. Reinecke

J. Wittburg
J. Wittburg