

FUNCTIONAL SAFETY DATA SHEET

Manufacturer BD L SENSORS GmbH

> BD-Sensors-Straße 1 D-95199 Thierstein

Germany

LMP 808 Product(s)

Intended application The above listed product(s) are used as plastic

housing submersible probe for hydrostatic level

measurements

Basis of testing IEC 61508:1999

IEC 61511:2003

Report The test report 154.101.103 of 2007-02-15 is

an integral part of this data sheet

Functional Safety Data

Type Α

Hardware Fault Tolerance ()

Safe Failure Fraction 61,0 %

O /hour Safe Detected Failure Rate

Safe Undetected Failure Rate 6,13E-8 /hour **Dangerous Detected Failure Rate** 3,66E-8 /hour

Dangerous Undetected Failure Rate 6.28E-8 /hour

Dangerous Diagnostic Coverage 37%

MTTFd 1148 years

MTTFs 1863 years

PFD See report for sample calculations

PFS See report for sample calculations

2 Fit for use in Safety Integrity Level Fit for use in Spurious Trip Level™ 5

2007-02-20

Date

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