

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. **35 731 - 85 HH**
Company **Intra-Automation GmbH**
Otto-Hahn-Straße 20
41515 Grevenbroich, GERMANY

Product Description **MAGNETIC LEVEL INDICATORS**

Type **ITA - 3 GL - PN 16**
ITA - 6 GL - PN 40

Environmental Category **None**

Technical Data / **TECHNICAL DATA**

Range of Application

The magnetic level indicators consist of the following main components:
• Vertical tube (1.4571) • Float (1.4571) • Indication rail (macralon, aluminium)
• Tank connections (austenitic stainless steel) •

RANGE OF APPLICATION

- The indicators may be used on tanks arranged above the double bottom.
- The GL Rules 1 Seagoing Ships, 2 Machinery Installations, Section 11, Table 11.1-Classification of pipes into pipe classes-, Table 11.2-Approved materials- and Table 11.3-Approved materials and types of material certificates- are to be observed.
- Level indicators for the use in pipe classes I or II are to be presented to a Surveyor of this Society for final inspection and hydrostatic pressure test.

LIMITATIONS

- The indicators are not to be used for fuel and oil tanks on passenger ships.

Test Standard

- Regulations for the Performance of Type Tests, Part 6 - Test Requirements for Mechanical Components and Equipment.

Documents

- Test Report No.: 13 0732 2 84 MPA Dortmund
- Data Sheets
- Drawings with Part Lists of Type ITA-3 GL and ITA-6 GL

Remarks

- See Limitations

Valid until **2017-05-28**

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Type Approval Symbol



File No. **II.B.06**

Hamburg, 2012-03-19

Germanischer Lloyd


Michael Kämpf


Peter Gierhan

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MARKING

Each device shall bear legible and durable marking on the body or on a plate fixed securely to the body as follows:

- Manufacturer's mark or symbol • Type • Nominal diameter • Maximum allowable working pressure respectively nominal pressure • Maximum allowable working temperature

PRODUCTION PLACES

Intra-Automation GmbH
41515 Grevenbroich
GERMANY

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