



# Type Approval Certificate

This is to certify that the undemoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 13 663 - 98 HH

Company Hadro Techniek B.V.

Westbaan 270  
2841 MC Moordrecht, NETHERLANDS

Product Description MAGNETIC LEVEL INDICATORS

Type POINTER D-SERIES, J-SERIES, L-SERIES, R-SERIES

Environmental Category • None

Technical Data /  
Range of Application TECHNICAL DATA

Measuring tube: 1.4404\*      Nominal pressure: PN 10 to PN 100  
Float: 1.4571\*      M.A.W.T.: up to 450 [°C]  
Flanges: 1.4404\*      Permissible Density: 380 - 2000 [Kg/m<sup>3</sup>]  
Indication rail: Macrolon, Aluminium \* or equivalent materials

## RANGE OF APPLICATION

- The above mentioned devices may be used as tank level indicators on tanks arranged above the double bottom provided that the Rules of DNVGL in their newest edition are taken into consideration.
- The selection of the devices for the corresponding service and the right installation are to be in accordance with the instruction of the manufacturer.

Test Standard • Test Requirements for Mechanical Components and Equipment, Part 6 of DNVGL.

Documents • Test Report No.: 12 0419 2 98 of MPA NRW, Dortmund / Germany  
• Quality Management Cert. ISO 9001:2008  
• Drawing Nos.: 1303-01 D-10, 1303-02 D-16, 1303-03 D-40  
• DNVGL Ref.-Nr.: 13-121543

Remarks • LIMITATIONS, MARKING and PRODUCTION PLACES see page 2

Valid until 2018-12-21

Page 1 of 2

File No. II.B.06

Hamburg, 2014-03-11

Type Approval Symbol



**Germanischer Lloyd**

*Hanspeter Raschle*  
Hanspeter Raschle

*Peter Gierhan*  
Peter Gierhan

# 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. 13 663 - 98 HH

## LIMITATIONS

- The devices may not be used on passenger ships for tanks carrying flammable liquids..

## 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 • PRODUCTION PLACES •

## PRODUCTION PLACES

Hadro Techniek B.V.  
Westbaan 270  
2841 MC Moordrecht  
Netherlands

Valid until 2018-12-21

Page 2 of 2

File No. II.B.06

Hamburg, 2014-03-11

Type Approval Symbol



**Germanischer Lloyd**

*Hanspeter Raschle*  
Hanspeter Raschle

*Peter Gierhan*  
Peter Gierhan