



Magnetic level gauge

NA7-10

Application and function

The magnetic level gauge is an indirect liquid level indicator. The liquid level to be observed in the tank is transferred analogously in a ratio of 1:1 by a float to the magnetic indicator bar.

This product complies with EU Directive 2014/68/EU. The applicable regulations are AD2000 and the ASME Boiler and Pressure Vessel Code.

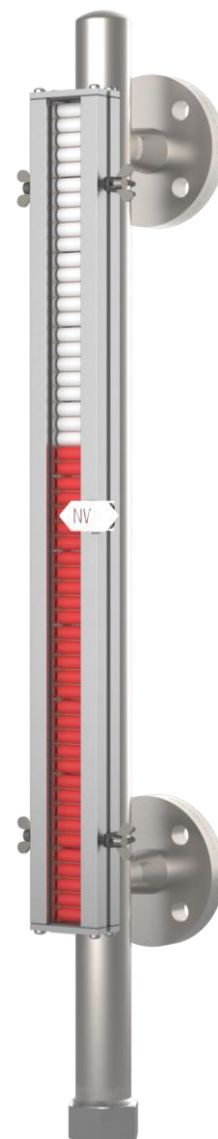
The magnetic level gauge is suitable in accordance with DIN EN 12952-7 and DIN EN 12953-6 as a water level indicator for shell boilers and water tube boilers.

Technical basic equipment

- Parts in contact with media made of stainless steel
- Indicator bar ALG-R
- Process connections: Flange PN10/DN20 or PN16/DN25

Optional versions

- Drain valve AV250
- Magnetic switch type M510-1-60
- Additional transmitter type MRK 110
- Bar graph indicator LB25 for optical transmission of the filling level



NA7-10

Technical Data

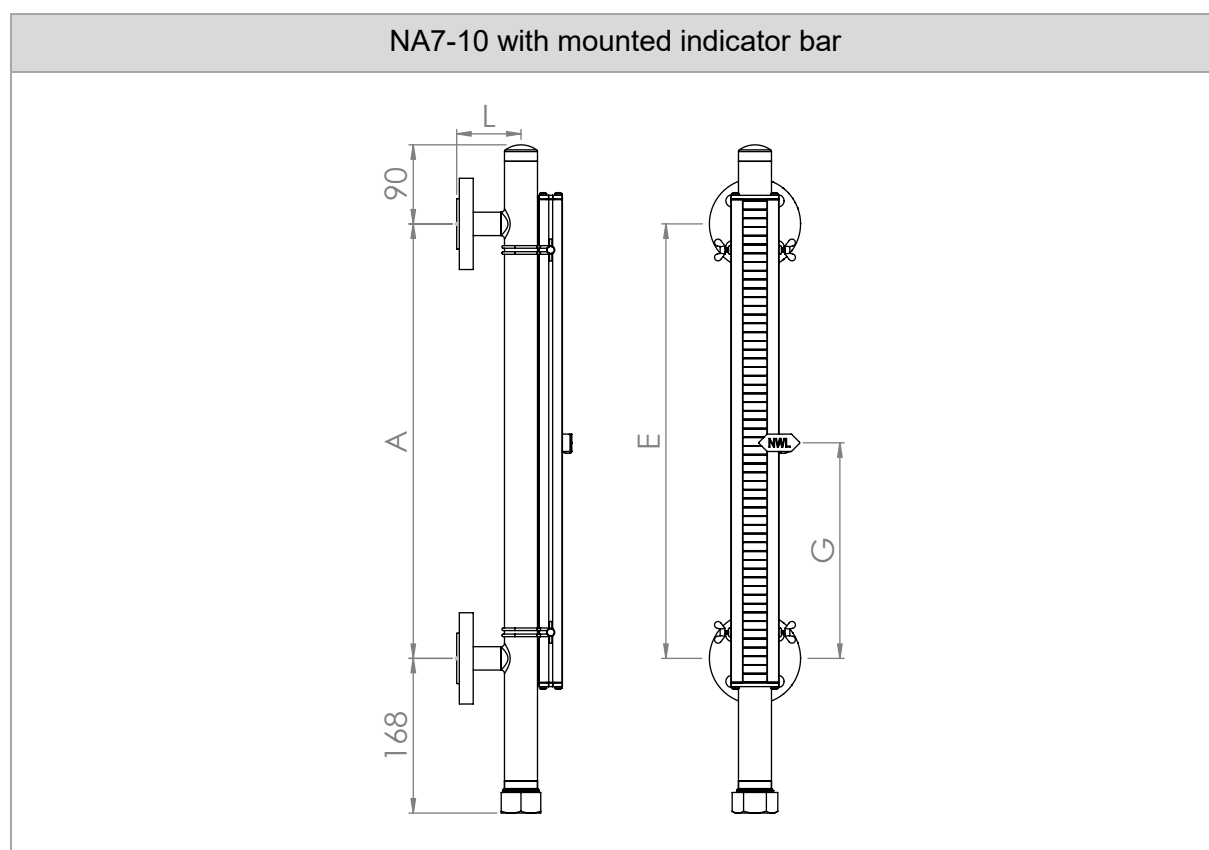
Application limits NA7-10	Permissible pressure [PS]	Perm. temperature [TS]
NA7-10	10bar 145psig	180°C 356°F

Float	Density (kg/dm^3)	Article number
NA7-10	0,88–1	15-20100

Operating limits Indicator bar ALG-R	Perm. temperature [TS]	Article number
without insulating strips	0°C bis 150°C 32°F bis 302°F	15-18939
with insulating strips	150°C bis 262°C 302°F bis 503°F	15-19182

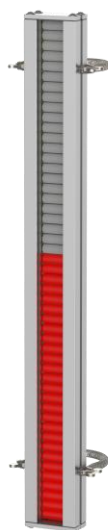
Dimensions and sizes

The indicator strip can be positioned anywhere outside the area of the connection pipes. If the display area is larger than the maximum length of a single display bar, two or more display bars can be positioned one above the other. For lengths of 2000 mm or more, a retaining plate is attached to support the display. The maximum length of the indicator is limited to 6000 mm.



Basic configuration

The magnetic level gauge is equipped with an application specific indicator bar



Indicator bar ALG-R

Type	Data sheet number
Indicator bar ALG-R	D-06-D-50334-EN

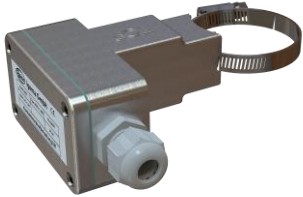
Accessories and optional versions

Description	Labeling	Article no.
Water level mark	NW-LWL-NB	25-13645
	HHWL	25-13717
	HWL	25-13716
	NWL	25-13698
	LWL	25-13718
	LLWL	25-13719

Two M4 flat-head screws are required for fixing each water level marker. Item number: 15-19296



Water level mark NWL

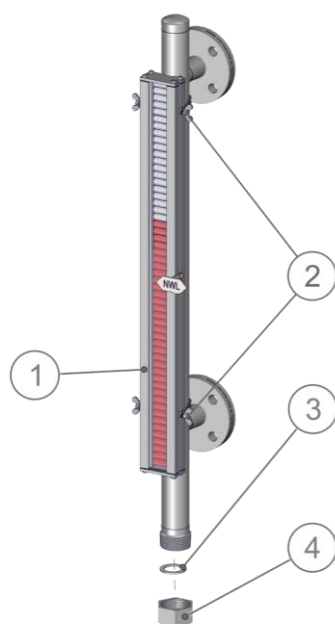
Examples of the optional versions		
Additional transmitter	Drain valve AV250	With one or more magnetic switches
 MRK 110	 AV250	 M510-1-60

Type	Data sheet number	Article number
Magnetic switch Type M510-1-60	D-06-D-50380-EN	15-20247
Ablassventil AV250	D-09-D-54181-EN	-
Transmitter MRK 110	D-06-D-52503-EN	see datasheet *1

*1 : Only MRK 110 transmitter with insulation (medium temperature > 150°C / 320°F) are suitable for the NA7-10 magnetic level gauge.

Spare parts

Pos.	Designation	Size	Article no.	Quantity
1	Indicator bar ALG-R	0-2000mm	15-18939	1
2	Fastening elements	-	-----	2
3	Sealing ring PTFE	25 x 36 x 2	25-17998	1
4	Sealing cap		40-11986	1
5	Float		15-20100	1
6	Manual test magnet	-	40-00768	1



Float (Pos.5)



Manual test magnet (Pos.6)



Direct download



Product page on the Internet

Igema GmbH

Antwerpener Str. 1
48163 Muenster
Germany

www.igema.com

Phone: +49 (0) 25 01 / 924 24-0
Telefax: +49 (0) 25 01 / 924 24-99
info@igema.com

