Primary element type MRK

Application and function

- For continuous level control in connection with the R/I-converter and a unit signal controller, i.e. on steam boilers or containers
- For liquid level remote indication in connection with the R/I-converter and an indicating instrument .(LED), i.e. on steam boilers or containers.

Versions

Electronic remote indication with discontinuous measuring, reed switches with progressive tap of a conducter cain as 2-wire resistance transmitter 4-20mA with integrated R/I-converter.

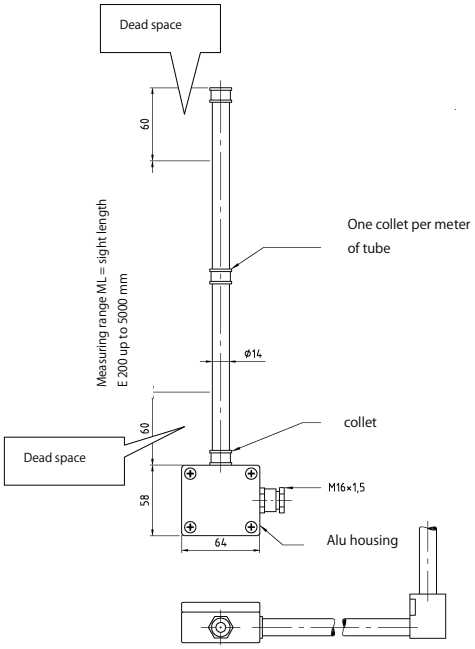
Technical data

Resolution	10 mm or 15 mm
Hysteresis	< 22 mm
Linearity	standard version with R/I-converter ± 0,15 %
	EEx ± 0,15 %
Temperature coefficient	< 0,015% / ° C
Measuring lenght	200 up to 5.000 mm
Fixture	Collar
Housing	Aluminium 64 x 58 x 37 mm
Sensor pipe	ø 14 mm

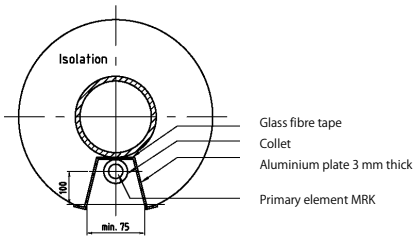
Ambiente temperature T4/T6	-40° C bis +85/85/60° C
Temperature medium	< 400° C ***)**
EEx-classification R/I-converter	II 1G EEx ia IIC T4/T6
U/I/P/L/C, .7/H U/I/P/L/C, .F	28V/120mA/0,84W/10H/1nF 30V/120mA/0,84W/1H/2nF

***)** Insulation between primary element and magnetic level gauge is needed above medium temperatur > +150° C

Electrical data			
Cable gland		M16x1,5 (by Ex blue)	
Protection		IP65 according EN 60529	
R/I-converter		Standard	EEx
Supply voltage		8 up to 36Vdc	8 up to 28Vdc
Supply current		4 up to 20 mA	
Max. load at 24V		800	695
Setting range	0%	2,5 up to 4,5 mA	4 up to 20 mA
	100%	15 up to 24 mA	20 up to 4 mA



Insulation only for magnetic level gauges with primary element by minus temperature



Electrical connection