

MRLF100 Level Sensor

Contactless Level Sensor
Based on MR Sensors
Level Range 100 mm
Accuracy +/- 1mm
Analog/Digital Output



dimensions [mm]

The MRLF100 Level sensor is driven by magnetoresistive sensors to establish a highly accurate measurement of fluid levels. A float, equipped with a small ring magnet can freely rotate around the housing tube. The bigger clearance between tube and float enables the device to work in materials with lower viscosities. The system is fully sealed to reach IP65 classification. A wide range of analog and digital interfaces are possible depending on customer demands.

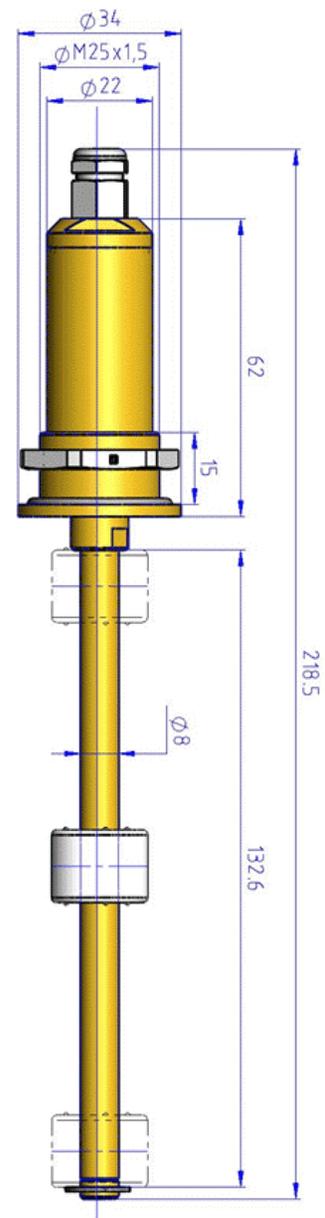
FEATURES

- Full housed system
- High accuracy
- High resolution
- Analog output signal
- Digital output signal

APPLICATIONS

- Industrial ink tank levelling
- Automotive levelling
- Truck tank levelling

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PARAMETERS

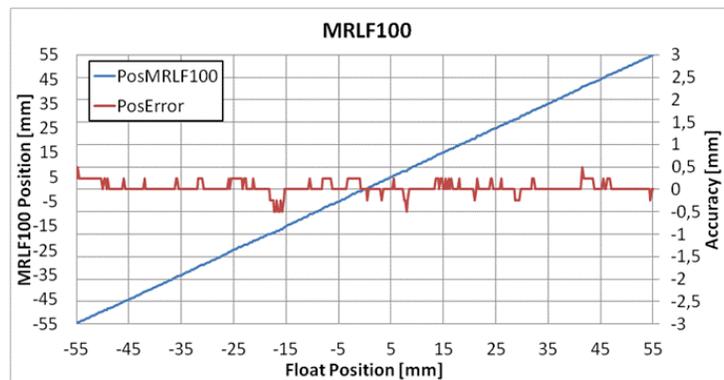
	Conditions	Min	Type	Max	Unit
Measurement range (1)		0		100	mm
Resolution			0,5		mm
Accuracy	Ta = 0°...60°C,	-1		+1	mm
Current consumption			50		mA
Power supply		4.5	5	5.5	VDC
Operation temperature range		-0		+60	°C
Storage temperature range		-0		+85	°C
Dimensions	H x Diameter		218 x 34		mm

- (1) lengths up to 500mm on request
(2),(3) depend on measurement range

Pinning

Pin	Name	Description	Type
1	PWM	Level value coded via PWM	Output
2	Mode	Modus Switch	Input
3	RST	Internal use	Input
4	MOSI / UART_RX	GPIO	Output/Input
5	MISO / UART_TX	GPIO	Output/Input
6	SCK	GPIO	Output/Input
7	5VDC	5V Reference	Output
8	AOUT	Level value as analog value	Output
9	GND	Ground	Power Supply
10	VDC	5V Supply	Power Supply

For more details please use the product specification/ application note / instruction manual.



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ordering info

PART NUMBERING	UNIT	SHORT DESCRIPTION
G-MRLF-100		