

**Features**

- Sensor for continuous level measurement in liquids
- Resolution 10 mm
- Media contacting parts of plastic
- Mounting without removing the float

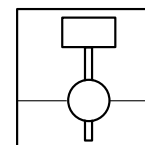
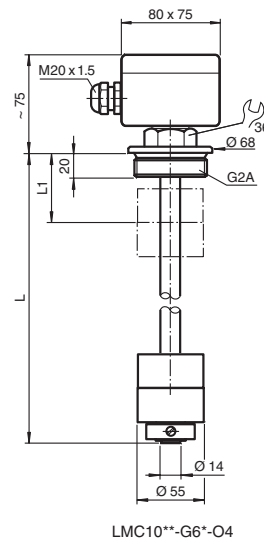
**Function**

The device is a sensor for continuous level measurement in liquids.

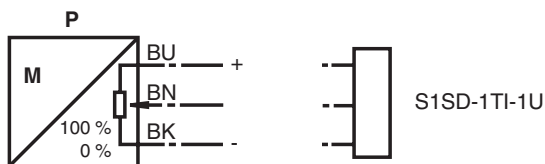
A ring magnet integrated in the float activates a reed contact resistance chain inside the probe tube via its magnetic field.

If the level changes, the resistance chain changes its total resistance by closing the contact at the float level. The resistance is converted into a standardised output signal by a control unit. This output signal is proportional to the level of the measured medium.

**Assembly**



**Connection**



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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

<b>General specifications</b>	
Equipment architecture	A measuring system consists of a magnet-operated immersion probe LMC****-G6*-O4 and a signal converter S1SD-1TI-1U.
Versions	LMC10P6-G6P-O4 LMC10D5-G6D-O4
<b>Output</b>	
Connection	3-wire, potentiometer connection approx. 40 kΩ
<b>Directive conformity</b>	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2013 , EN 61326-2-3:2013
<b>Conformity</b>	
Degree of protection	IEC 60529:2000
<b>Measurement accuracy</b>	
Accuracy	resolution: 10 mm
<b>Operating conditions</b>	
Process conditions	
Process temperature	version PP: -10 ... 80 °C (14 ... 176 °F) version PVDF: -10 ... 100 °C (14 ... 212 °F)
Process pressure (static pressure)	≤ 3 bar (43.5 psi)
Density	≥ 0.8 g/cm <sup>3</sup>
<b>Ambient conditions</b>	
Ambient temperature	-20 ... 70 °C (-4 ... 158 °F)
<b>Mechanical specifications</b>	
Degree of protection	IP65
Connection	3 terminals, max. 2.5 mm <sup>2</sup>
Material	float, guide tube, process connection: - version PP: PP (Polypropylene) - version PVDF: PVDF (Polyvinylidenfluoride) terminal box: Polyester
Dimensions	float: - version PP: cylinder Ø55 mm x 54 mm - version PVDF: cylinder Ø55 mm x 70 mm guide tube: Ø14 mm, max. length 3000 mm terminal box: 80 x 75 x 55 mm
Process connection	thread G2A to DIN/ISO 228/1
<b>General information</b>	
Supplementary information	Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a> .
<b>Accessories</b>	
Optional accessories	LML-FD5 float, cylinder, Ø55 mm x 70 mm, PVDF LML-FP6 float, cylinder, Ø55 mm x 54 mm, PP

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**Type Code**



*This overview does not mark options which are mutually exclusive.  
Option with \* = on request/in preparation*

<b>Device</b>	
LMC	Magnetic immersion probe for continuous measurement
<b>Resolution</b>	
10	10 mm
<b>Guide tube material</b>	
D	PVDF
P	PP
<b>Float</b>	
5	Cylinder, Ø55 mm x 70 mm, PVDF
6	Cylinder, Ø55 mm x 54 mm, PP
<b>Process connection</b>	
G6	Thread G2A, DIN/ISO 228/1
<b>Process connection material</b>	
D	PVDF
P	PP
<b>Electrical output</b>	
O4	3-wire, potentiometer connection approx. 40 kΩ
<b>Guide tube length</b>	
L	Specified length, max. 3000 mm

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