



Microwave meter

Analog output or
2x PNP output

High precision

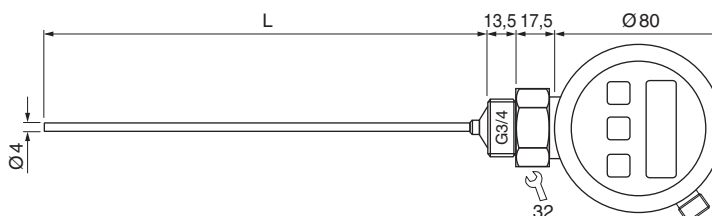
Probe surface coated
for aggressiv media

Guided Microwave



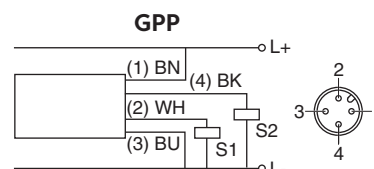
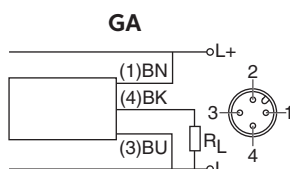
Design **DC Analog / DC PNP • G3/4**

Dimensions



Design	Single probe	Single probe	<p>Sensor length</p> <p>The total length L of the sensors is specified by appending „xxx“ to the type.</p> <p>xxx: Length in cm</p> <p>Preferred lengths single probe ID-No.</p> <table border="0"> <tr> <td>300 mm:</td> <td>LMF030</td> <td>P21229</td> </tr> <tr> <td>500 mm:</td> <td>LMF050</td> <td>P21230</td> </tr> <tr> <td>800 mm:</td> <td>LMF080</td> <td>P21231</td> </tr> </table> <p>Preferred lengths single probe ID-No.</p> <table border="0"> <tr> <td>300 mm:</td> <td>LMF030</td> <td>P21232</td> </tr> <tr> <td>500 mm:</td> <td>LMF050</td> <td>P21233</td> </tr> <tr> <td>800 mm:</td> <td>LMF080</td> <td>P21234</td> </tr> </table> <p>Note: Different lengths available on request.</p>	300 mm:	LMF030	P21229	500 mm:	LMF050	P21230	800 mm:	LMF080	P21231	300 mm:	LMF030	P21232	500 mm:	LMF050	P21233	800 mm:	LMF080	P21234
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Output	4...20 mA, linear 	2x PNP, programmable 																			
ID-No.	P....	P....																			
Type-sensorlength L	MFP 075 GA-LMFxxx	MFP 075 GPP-LMFxxx																			
Supply voltage [V]	20...27 DC	20...27 DC																			
Current consumption [mA]	< 45	< 45																			
Current output [mA]	4...20	-																			
Load resistance R_L [Ω]	200...500	-																			
Switching current [mA]	-	200																			
Reverse protection [mm]	•	•																			
Precision [mm]	5	5																			
Transition zone* [mm]	top: 40, bottom: 15	top: 40, bottom: 15																			
Ambient temperature [°C]	0...+70	0...+70																			
Medium temperature [°C]	0...+80	0...+80																			
Sensitivity [ε_r]	≥20	≥20																			
Protection [EN 60529]	IP 67	IP 67																			
Housing material	Aluminium																				
Material	AISI 316 Ti, PTFE, PFA																				
Sealing material	NBR, different material on request																				
Compressive strength [bar]	10 (25 °C)																				
Connection	M12 connector																				

* Depending on the installation conditions and the medium, deviations from the specified measuring accuracy can occur in this area.



Accessories connecting cable SLG / SLW 3..., SLG / SLW 4..., see page 2.38