



# Microwave meter

Analog output or  
2x PNP output

High precision

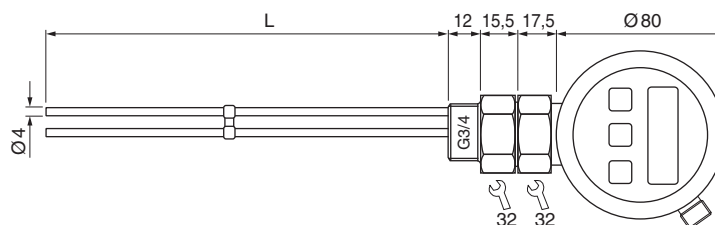
Liquids from oil to water

Guided Microwave



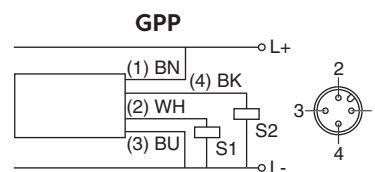
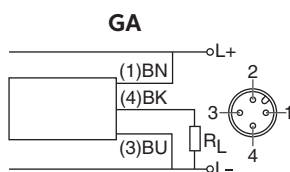
**Design** DC Analog / DC PNP • G3/4

**Dimensions**



Design	Parallel probe	Parallel probe																	
Output	4...20 mA, linear 	2x PNP, programmable 	<p><b>Sensor length</b></p> <p>The total length L of the sensors is specified by appending "xxx" to the type.</p> <p>xxx: Length in cm</p> <table border="0"> <tr> <td><b>Preferred lengths GA</b></td> <td><b>ID-No.</b></td> </tr> <tr> <td>300 mm: LP030</td> <td>P21202</td> </tr> <tr> <td>500 mm: LP050</td> <td>P21203</td> </tr> <tr> <td>800 mm: LP080</td> <td>P21221</td> </tr> <tr> <td><b>Preferred lengths GPP</b></td> <td><b>ID-No.</b></td> </tr> <tr> <td>300 mm: LP030</td> <td>P21206</td> </tr> <tr> <td>500 mm: LP050</td> <td>P21207</td> </tr> <tr> <td>800 mm: LP080</td> <td>P21223</td> </tr> </table>	<b>Preferred lengths GA</b>	<b>ID-No.</b>	300 mm: LP030	P21202	500 mm: LP050	P21203	800 mm: LP080	P21221	<b>Preferred lengths GPP</b>	<b>ID-No.</b>	300 mm: LP030	P21206	500 mm: LP050	P21207	800 mm: LP080	P21223
<b>Preferred lengths GA</b>	<b>ID-No.</b>																		
300 mm: LP030	P21202																		
500 mm: LP050	P21203																		
800 mm: LP080	P21221																		
<b>Preferred lengths GPP</b>	<b>ID-No.</b>																		
300 mm: LP030	P21206																		
500 mm: LP050	P21207																		
800 mm: LP080	P21223																		
ID-No.	P.....	P.....																	
Type-sensor length L	MFP 075 GA-LPxxx	MFP 075 GPP-LPxxx																	
Supply voltage [V]	20...27 DC	20...27 DC																	
Current consumption [mA]	< 45	< 45																	
Current output [mA]	4...20	-																	
Load resistance R <sub>L</sub> [Ω]	200...500	-																	
Switching current [mA]	-	200																	
Reverse protection	•	•																	
Precision [mm]	5	5																	
Transition zone* [mm]	top: 25, bottom: 25	top: 25, bottom: 25																	
Ambient temperature [°C]	0...+70	0...+70																	
Medium temperature [°C]	0...+80	0...+80																	
Sensitivity [ε <sub>r</sub> ]	≥2.3	≥2.3																	
Protection [EN 60529]	IP 67	IP 67																	
Housing material	Aluminium																		
Material	AISI 316 Ti, PTFE, POM																		
Sealing material	NBR, AFM 34, 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