



Microwave meter

Analog output or
2x PNP output

High precision

Water-based liquids

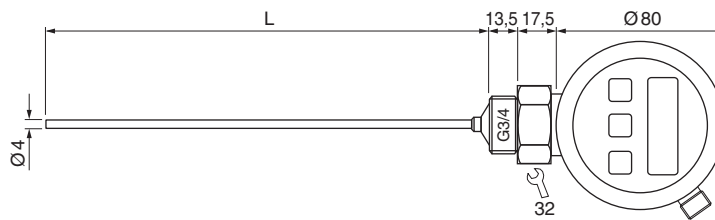
Guided Microwave



Design

DC Analog / DC PNP • G3/4

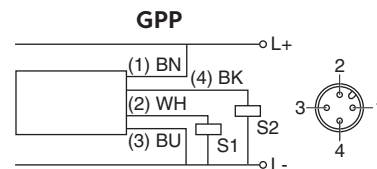
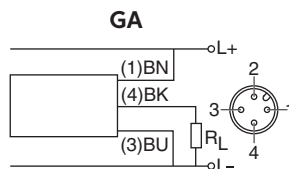
Dimensions



Design	Single probe	Single probe	
Output	4...20 mA, linear 	2x PNP, programmable 	
ID-No.	P.....	P.....	
Type-sensor length L	MFP 075 GA-LMxxx	MFP 075 GPP-LMxxx	
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	•	•	
Precision [mm]	5	5	
Transition zone* [mm]	top: 25, bottom: 15	top: 25, 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		
Sealing material	NBR, AFM 34, different material on request		
Compressive strength [bar]	10 (25 °C)		
Connection	M12 connector		

	<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>								
	<table border="0"> <tr> <td>Preferred lengths GA</td> <td>ID-No.</td> </tr> <tr> <td>300 mm: LM030</td> <td>P21220</td> </tr> <tr> <td>500 mm: LM050</td> <td>P21200</td> </tr> <tr> <td>800 mm: LM080</td> <td>P21201</td> </tr> </table>	Preferred lengths GA	ID-No.	300 mm: LM030	P21220	500 mm: LM050	P21200	800 mm: LM080	P21201
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	<p>Note:</p> <p>Installation rules have to be observed.</p>								

* 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