



Microwave meter

Analog output or
2x PNP output

High precision
Easy cleaning

Liquids from oil to water

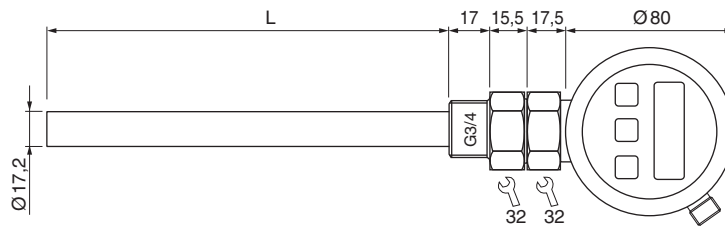
Guided Microwave



Design

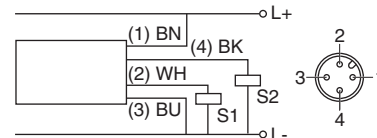
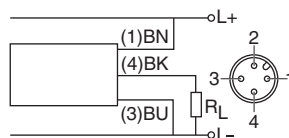
DC Analog / DC PNP • G3/4

Dimensions



Design	Coaxial probe	Coaxial probe	
Output	4...20 mA, linear 	2x PNP, programmable 	Sensor length
ID-No.	P.....	P.....	The total length L of the sensor is specified by appending "xxx" to the type.
Type-sensordlength L	MFP 075 GA-LKxxx	MFP 075 GPP-LKxxx	xxx: Length in cm
Supply voltage [V]	20...27 DC	20...27 DC	Preferred lengths GA
Current consumption [mA]	< 45	< 45	300 mm: LK030
Current output [mA]	4...20	-	500 mm: LK050
Load resistance R_L [Ω]	200...500	-	800 mm: LK080
Switching current [mA]	-	200	Preferred lengths GPP
Reverse protection [mm]	•	•	300 mm: LK030
Precision [mm]	5	5	500 mm: LK050
Transition zone* [mm]	top: 25, bottom: 25	top: 25, bottom: 25	800 mm: LK080
Ambient temperature [$^{\circ}$ C]	0...+70	0...+70	ID-No.
Medium temperature [$^{\circ}$ C]	0...+80	0...+80	300 mm: P21217
Sensitivity [ϵ_r]	≥ 2	≥ 2	500 mm: P21218
Protection [EN 60529]	IP 67	IP 67	800 mm: P21219
Housing material	Aluminium		ID-No.
Material	AISI 316 Ti, PTFE, POM		300 mm: P21214
Sealing material	NBR, AFM 34, different material on request		500 mm: P21215
Compressive strength [bar]	10 (25 $^{\circ}$ C)		800 mm: P21216
Connection	M12 connector		

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



Accessories

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