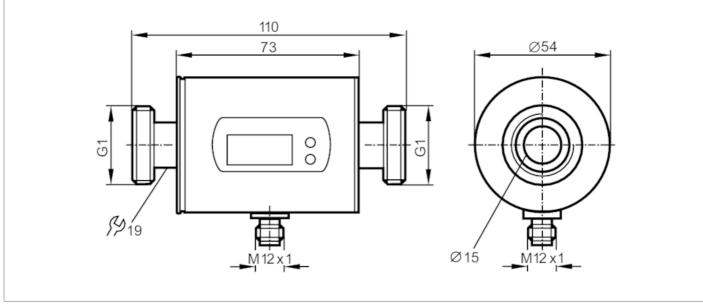
Magnetic-inductive flow meter



SMR11GGX50KG/US100



Product characteristics				
Number of inputs and outputs		Number of analog outputs: 2		
Measuring range		0.2100 l/min 0.126.4 gpm		
Process connection		threaded connection G 1 DN25 flat seal		
Application				
System		gold-plated contacts		
Application		for industrial applications		
Installation		connection to pipe by means of an adapter		
Media		Conductive liquids; water; water-based media		
Note on media		conductivity: ≥ 20 μS/cm		
		viscosity: < 70 mm²/s (40 °C)		
Medium temperature	[°C]	-1070		
Pressure rating	[bar]	16		
Pressure rating	[Mpa]	1.6		
MAWP (for applications according to CRN)	[bar]	11.2		
Electrical data				
Operating voltage	[V]	2030 DC; (to SELV/PELV)		
Current consumption	[mA]	120; (24 V)		
Protection class		III		
Reverse polarity protection		yes		
Power-on delay time	[S]	5		
Inputs / outputs				
Number of inputs and outputs		Number of analog outputs: 2		

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Outputs				
Total number of outputs			2	
Output signal		analog signal		
Number of analog outputs			2	
Analog current output	[mA]	420; (scalable)		
Max. load	[Ω]	500		
Overload protection		yes		
Measuring/setting range				
Measuring range		0.2100 l/min	0.126.4 gpm	
Display range		-120120 l/min	-31.731.7 gpm	
Resolution		0.1 l/min	0.05 gpm	
Analog start point ASP		080 l/min	021.1 gpm	
Analog end point AEP		20100 l/min	5.326.4 gpm	
In steps of		0.1 l/min	0.05 gpm	
Temperature monitoring				
Measuring range	[°C]	-2080		
Resolution	[°C]	0.2		
Analog start point	[°C]	-2060		
Analog end point	[°C]	080		
In steps of	[°C]	0.2		
Accuracy / deviations				
Flow monitoring				
Accuracy (in the measuring range)		± (2 % MW + 0,5 % MEW)		
Repeatability		± 0,2% MEW		
Temperature monitoring				
Accuracy	[K]	± 2,5 (Q > 1 l/min)		
Reaction times				
Flow monitoring				
Response time	[S]	0.15; (dAl	P = 0, T19)	
Damping process value dAP	[s]	0.	3	
Temperature monitoring				
Dynamic response T05 / T09	[S]	T09 = 20 (Q > 1 l/min)		
Operating conditions				
Ambient temperature	[°C]	-1060		
Storage temperature	[°C]	-2580		
Protection		IP 67		

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Tests / approvals				
EMC		DIN EN 60947-5-9	500 V withstand voltage (V DC)	
CPA approval		model number	009MI	
		accuracy class	-	
		maximum allowable error	± 2,5 % FS	
		Q (min)	0,01 m³/h	
		Q (t)	-	
		Q (max)	6 m³/h	
Shock resistance		DIN IEC 68-2-27	20 g (11 ms)	
Vibration resistanc	e	DIN IEC 68-2-6	5 g (102000 Hz)	
MTTF	[years]	175		
Pressure equipment directive		sound engineering practice; can be used for group 2 fluids; group 1 fluids on request		
Mechanical data				
Weight	[g]	576.9		
Material		stainless steel (1.4404 / 316L); PBT-GF20; PC; FKM; TPE		
Materials (wetted parts)		stainless steel (1.4404 / 316L); PEEK; FKM		
Process connectio	n	threaded connection G 1 DN25 flat seal		
Displays / operati	ing elements			
Display		Display unit	6 x LED, green (l/min, m³/h, gpm, gph, °C, °F	
		Measured values	alphanumeric display, 4-digit	
		Programming	alphanumeric display, 4-digit	
Display unit		l/min; m³/h; gpm; gph; °C; °F		
Remarks				
Remarks		MW = Measured value		
		MEW = Final value of the measuring range		
Pack quantity		1	pcs.	
Electrical connec	tion			
	Du andingu Au Contact			

Connector: 1 x M12; coding: A; Contacts: gold-plated

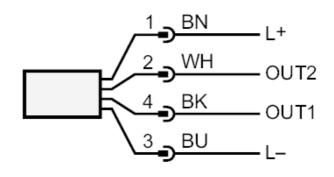
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Connection





Color	s to DIN EN 60947-5-2
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OUT1: analog output Temperature monitoring

OUT2:	analog output Volumetric flow quantity monitoring
	Core colors :
BK =	black
BN =	brown
BU =	blue
WH =	white

Diagrams and graphs

Pressure loss

