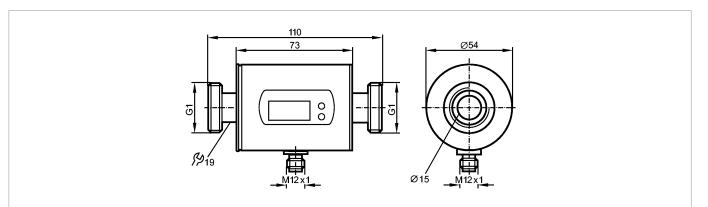


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LISTED					
Product characteristics					
Magnetic-inductive flow m	eter				
Quick disconnect					
Process connection: G1 fl	at seal				
connection to pipe by mea	ans of an ada	apter			
2 outputs					
OUT1 = analogue signal to OUT2 = analogue signal f					
Measuring range					
0.2100 l/min					
Application					
Application		Conductive liquids (conductivity:>= 20 µS/cm / viscosity: < 70 cSt at 104 °F)			
Pressure rating	[bar]	16			
Medium temperature	[°C]	-1070			
Electrical data					
Electrical design		DC			
Operating voltage	[V]	2030 DC <sup>1</sup> )			
Current consumption	[mA]	120 (24 V)			
Insulation resistance	[MΩ]	> 100 (500 V DC)			
Protection class					
Reverse polarity protection		yes			
Outputs					
Output function		2 x analog (420 mA scalable)			
Overload protection		yes			
Analog output		420 mA, max. 22 mA			
Max. load	[Ω]	500			
Measuring / setting rang	ge				
Flow monitoring					
Measuring range		0.2100.0 l/min	0.1026.40 gpm		
Display range		-120.0120.0 l/min	-31.7031.70 gpm		
Resolution		0.1 l/min	0.05 gpm		
Analog start point, ASP		0.080.0 l/min	0.0021.10 gpm		
Analog end point, AEP		20.0100.0 l/min	5.3026.40 gpm		
in steps of		0.1 l/min	0.05 gpm		



Temperature monitoring			
Measuring range	[°C]	-2080	
Resolution	[°C]	0.2	
Analog start point, ASP	[°C]	-20.060.0	
Analog end point, AEP	[°C]	0.080.0	
in steps of	[°C]	0.2	
Accuracy / deviations			
Flow monitoring			
Accuracy		± (2% MW + 0.5% MEW)	
Repeatability		± 0.2%	6 MEW
Pressure loss (dP) / flow rate (Q)		dP [mbar] 800 700 600 500 400 300 200 100 20 40 60 60 60 60 60 60 60 60 60 6	60 100 120 Q [l/min]
Temperature monitoring			
Accuracy	[K]	± 2.5 (Q =	> 1 l/min)
Reaction times			
Power-on delay time	[S]	5	5
Flow monitoring			
Response time	[S]	< 0.150 (	(dAP = 0)
Damping, dAP	[S]	0.0	3.0
Temperature monitoring			
Response time	[s]	T09 = 20 (Q > 1 l/min)	
Environment	[0.0]		
Ambient temperature	[°C]		60
Storage temperature	[°C]		80
Protection		IP	67
Tests / approvals Pressure equipment directive		article 3, section 3 - sou	and ongineering practice
EMC			
LIVIC			4 kV CD / 8 kV AD 10 V/m
			2 kV
		0	0.5 kV 10 V
Shock resistance			20 g (11 ms)
Vibration resistance		DIN IEC 68-2-6:	5 g (102000 Hz)
MTTF [	Years]		75
Mechanical data			
Process connection		G1 flat seal	
Materials (wetted parts)		stainless steel 316L / 1.4404; PEEK (polyether ether ketone); FKM	
Materials (wetted parts)		stainiess steel 316L / 1.4404; PEI	EK (polyether ether ketone), FKM
Materials (wetted parts) Housing materials			; PBT-GF 20; PC; FKM; TPE

Displays / operating elements		
Display	Display unit 6 x LED green (l/min, m³/h, gpm, gph, °C, °F) Measured values 4-digit alphanumeric display Programming 4-digit alphanumeric display	
Electrical connection		
Connection	M12 connector; gold-plated contacts	
Wiring Core colors BK black BN brown BU blue WH white	$ \begin{array}{c} 1 \\ 2 \\ WH \\ OUT2 \\ 4 \\ BK \\ OUT1 \\ 3 \\ BU \\ L- \end{array} $	
	Colours to DIN EN 60947-5-2	
	OUT1: analogue output temperature OUT2: analogue output flow rate	
Remarks		
Remarks	<sup>1</sup> ) to EN50178, SELV, PELV MW = measured value MEW = final value of the measuring range	
Pack quantity [piece]	1	

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