

Resolution of analogue output [K]	0.1	
Accuracy / deviations		
Precision analogue output [K]	± 0,3 + (± 0,1 % MS)	
Temperature coefficient [% of the span / 10 K]	0,1; (in case of deviation from the reference condition 25 ± 5 °C)	
Response times		
Dynamic response T05 / T09 [s]	< 0,5 / < 2	
Interfaces		
Communication interface	IO-Link	
Transmission type	COM2 (38,4 kBaud)	
IO-Link revision	1.1	
Operating conditionsz		
Ambient temperature [°C]	-25...80	
Note on ambient temperature	at medium temperature: < 160 °C -25...60 °C at medium temperature: < 200 °C	
Storage temperature [°C]	-40...100	
Protection	IP 67; IP 68; IP 69K	
Tests / approvals		
EMC	DIN EN 61000-6-2 DIN EN 61000-6-3	
Shock resistance	DIN IEC 68-2-27	50 g (11 ms)
Vibration resistance	DIN IEC 68-2-6	10 g (10...2000 Hz)
MTTF [years]	232	
Note on approval	factory certificate available as download at www.factory-certificate.ifm	
UL approval	UL Approval no.	K002
Mechanical data		
Weight [g]	110	
Housing	cylindrical	
Dimensions [mm]	Ø 18.7 / L = 93.9	
Materials	stainless steel (316L/1.4404); FKM	
Materials (wetted parts)	stainless steel (316L/1.4404); O-ring: FKM	
Tightening torque [Nm] Process connection	45	
Process connection	threaded connection G 1/2 external thread	
Probe diameter [mm]	6	
Installation length EL [mm]	30	
Remarks		
Remarks	The values for accuracy apply to flowing water.	
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12; coding: A; Contacts: gold-plated		



Connection	
OUT1: OUT2:	switching output / IO-Link
	switching output
	colours to DIN EN 60947-5-2
	Core colours :
BK =	black
BN =	brown
BU =	blue
WH =	white

