



GENERAL CHARACTERISTICS

Calorimetric sensor type for the measurement of low flow rates of liquids. The system is temperature compensated and microprocessor controlled, so that it makes possible the simultaneous measurement of flow rate and temperature. Absence of moving parts in the passage chamber of the liquid to be measured and low pressure drop.

There are versions with local display of the flow rate, alarm, current, voltage and frequency output.

- Measurement of flow rate of 0,001 l/min. up to 10 l/min.
- No moving parts.
- Low pressure loss.
- Degree of protection IP65

TECHNICAL DATA

Tab.1

DN Ø mm	Measuring range l/min H ₂ O	PN bar	ΔP max bar	Code
6	(0,001) 0,01...2	10	0,3	006R
8	0,025.....5	10	0,3	008R
10	0,05.....10	10	0,3	010R

Other measuring ranges on request

Process connection	Smooth pipe crimp connection or flexible		
Power supply	24 Vdc ± 10%		
Current	100 mA max.		
Accuracy	± 3% F.S.	Ref. to measured value (distilled water)	
Repeatability	± 1%		
Measuring unit	Flow	4	F standard
	Temperature		T On request
Output signal	4 – 20 mA	5	I Min. load 1 KΩ
	0 – 10 V		U Min. load 1 KΩ
ON-OFF output	push-pull	6	T To be specified
	NPN		M To be specified
Hysteresis	1%	Ref. to full scale value	
Measurement parameters for alarm threshold	Flow	7	F To be specified
	Temperature		T To be specified
ON-OFF output function	Flow	8	L To be specified
	Temperature		H To be specified
	Frequency		R To be specified
ON-OFF output level	Flow	9	O standard
	Temperature		I On request
Medium temperature	0 / +70 °C	-20 / +100 °C on request	
Ambient temperature	-20 / +70 °C	electronics	
Storage temperature	-20 / +80 °C		
Connection	M12x1 - 4 poles	Round connector	

MATERIALI

Tab.2

connection and wet parts	Stainless steel	1.4571	K
	Hastelloy	On request	H
Non-wetted parts	PPS	PA66	CW614N

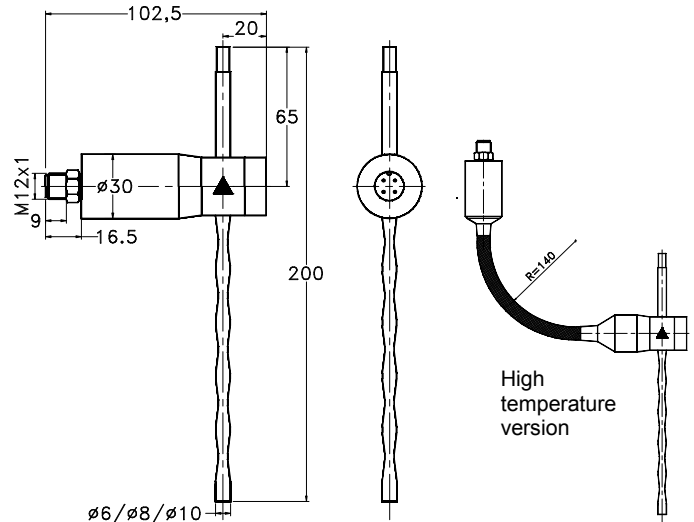
NOMENCLATURE

FLEX-FIN	006R	K	F	I	T	F	R	O
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K PU 02 S G Connection cable 2m length with M12x1 plug

DIMENSIONS

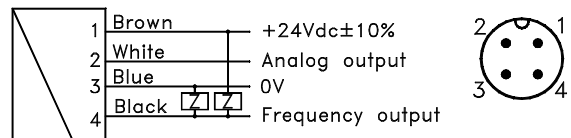
Measures in mm.



OUTPUTS - POSSIBLE COMBINATIONS

Flow		Temperature	
Analog output	ON-OFF output	Analog output	ON-OFF output
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	•		
•	•		
•			•
		•	

WIRING



-	Name - Type
Tab.1	DN connections and measuring range
Tab.2	Wet parts material
Tab.1	4 Units for flow or temperature measuring
Tab.1	5 Output signal
Tab.1	6 ON-OFF output
Tab.1	7 Measurement parameters for alarm threshold
Tab.1	8 ON-OFF output function
Tab.1	9 ON-OFF output level