

Accessories // Turbotron



Flow monitoring device, TU7050

Your advantages

Series	TU7050
	<ul style="list-style-type: none"> • Generates alarm set points from the frequency signal of the turbine flow sensors. • High operational safety by damage monitoring

Technical data

Version	Operating mode A Two measuring points (condition: two identical flow sensors) each with a minimum alarm are monitored.	Operating mode B One measuring point with two minimum alarms (pre-alarm and main alarm) is monitored.
Signal input	Frequency signals of up to two identical flow sensors VT...15 VT...25 VT...40	
Display per channel	LED green = ok	LED red = alarm
Set point adjustment	Using two 16-position rotary switches, 16 different set points can be selected per channel	
Set point range		Hysteresis
→ VT...15	0.5...29.5 l/min	0.5 l/min
→ VT...25	3...100 l/min	2...10 l/min
→ VT...40	7...275 l/min	3...35 l/min
Outputs	Two independent, potential free c/o contacts	
Max. contact rating	30 VDC / 1 A	150 VAC / 400 mA
Power supply	12...24 VDC (±10 %)	
Casing	Plastic casings for assembly rail setup approx. 17.5 x 67 x 85 mm (W x D x H)	
Ambient temperature / storage temperature	0...60 °C / -10...80 °C	

For VT..15 (DN 15)

Switch position	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Set point (l/min)* decreasing flow	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.5	5.5	7.5	9.5	11.5	15.5	19.5	24.5	29.5
Set point (l/min)* increasing flow	0,5 l/min over the set point decreasing flow															

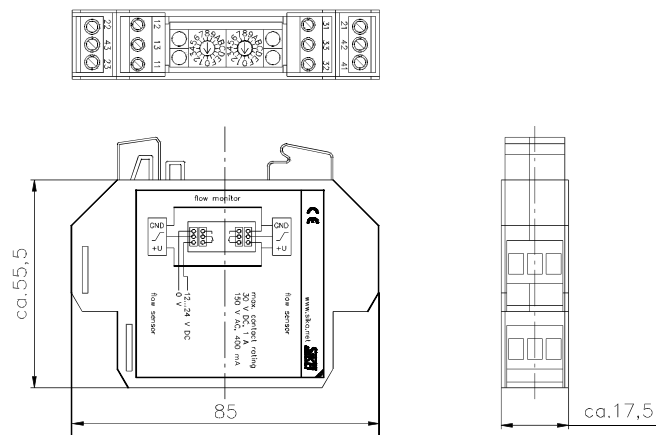
For VT..25 (DN 25)

Switch position	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Set point (l/min)* decreasing flow	3	5	6	8	10	12	15	18	20	25	30	35	40	50	70	100
Set point (l/min)* increasing flow	5	7	8	10	12	14	17	20	22	27	33	38	44	55	80	110

For VT..40 (DN 40)

Switch position	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Set point (l/min)* decreasing flow	7	10	15	20	25	30	35	40	50	65	80	100	130	160	200	275
Set point (l/min)* increasing flow	10	13	19	24	30	35	40	47	58	75	90	115	150	190	230	310

* The specified values refer to operation with water at 20 °C. Monitoring of fluids with higher viscosities is possible with the effect of deviations from the mentioned values. If you order at least 25 units, individual set point tables can be implemented.



Order code		
Type		
TU7050	EU70500	
For turbine flow sensors		
VTH15		H152296
VTP15		D152296
VT115, NPN		I152296
VT115, PNP		P152296
VTH25 / VTM25		H252296
VTH40 / VTM40		H402296
Example order number	EU70500	H152296