

FlowSwitch

FS 10

It is a device that monitors the flow of fluid based on calorimetry principle. If the flow rate drops below a limit set by user, the status output is changed. The flow rate is displayed by ten LEDs and it is possible to select a boundary for contact making/breaking. The measurement cycle takes from 4sec to 8sec with the measurement range of 1:150cm/sec. The length of the bar-type sensor is selectable from 65mm series (standard) and 125mm with a possibility of modification according to order.

Main merits

- Option to use the second status output (FS 15 version) for temp monitoring as per potentiometer setting
- Option to monitor the filling of pipework (sensor) on the other switching contact
- 10 LEDs to display the current flow rate and adjusted switching limits
- "Self teaching" system with the possibility of zero setting
- Process connector – M16x1.5 female thread for adapter
- Electrical connection by means of M12, 4-pin connector
- Continuous control of the sensor for correct operation

Technical specifications:

Power	24V DC $\pm 20\%$
Current consumption	Peak current 140mA / střední 60mA
Degree of protection	IP 65
Display	10x LED segment
Control	2 buttons
Construction	316L stainless steel
Media temperature	-10 to 80°C
Measurement period	Typically 4sec, max. 8sec
Recommended range	1 ÷ 150cm/sec (water) 2 ÷ 300cm/sec (oil)
Max. pressure of medium	100bar
Repeatability	1 ÷ 5cm/sec
Electrical connection	M12, 4-pin connector
Status contact	SSR, passive, voltage-free, max. 60V AC/DC, 130mA, 500mW

