

Electronic Flow Monitor FS10. Flow Control Made Easy



Technical Information.

Electronic Flow Monitor FS10

Suitable for a range spanning $-25\text{ }^{\circ}\text{C}$ to $+100\text{ }^{\circ}\text{C}$ ($-13\text{ }^{\circ}\text{F}$... $+212\text{ }^{\circ}\text{F}$) the compact FS10 Flow Monitor is a world champion when it comes to dealing with flow media temperatures. It is ready too for all kinds of flow media: it's just as happy in water as in oil, gases and even aggressive media. The FS10 is therefore simply indispensable in any cooling or

lubrication circuit, whether for use in process control, oil refineries or the chemical industry. The probe and fitting material are stainless steel, ensuring a long life span and fit-and-forget reliability. And what is more, the new adapter system to DIN ISO 6149 reduces installation costs considerably. Thanks to this innovative plug-in connection

technology the FS10 is easy-to-fit allowing installation to be completed in a matter of seconds. Alternatively a well proven screw-in version remains available as an option. The FS10 is an excellent investment providing both a reliable and effective flow monitoring capability.

Technical Data FS10

Media	liquids or gases	
Flow response level	air	0.5...50 m/sec
Adjustment	water, oil	0.01...4.5 m/sec
Monitoring function	switch point MIN or MAX	
Flow speed	LED (yellow)	
Fault indication	High Side switch, short circuit proof, max load 500 mA	
Signal output		
Temperature range	medium $-25\text{ }^{\circ}\text{C}$... $+100\text{ }^{\circ}\text{C}$ ($-13\text{ }^{\circ}\text{F}$... $+212\text{ }^{\circ}\text{F}$) ambient $-25\text{ }^{\circ}\text{C}$... $+80\text{ }^{\circ}\text{C}$ ($-13\text{ }^{\circ}\text{F}$... $+176\text{ }^{\circ}\text{F}$)	
Operating voltage U_B	DC 24 V (18...32 V)	
Power consumption (without load)	gases	typically 28 mA /
	liquids	typically 57 mA
Status indication	LED (green)	
Connection to DIN 50044	M12 plug-in connection, 3-pole	
Response delay	e.g. water, typically 2 s	
Type and size of Monitoring head	plug-in:	to DIN ISO 6149
	screw-in:	G1/2" A or 1/2" NPT
Pressure resistance of Monitoring head	100 bar	
Material	stainless steel 1.4571 / AISI 316 Ti	

Features

- wear-resistant compact design with no moving parts
- suitable for all types of media: water, oil, gases and aggressive media
- ideal for monitoring of cooling and lubrication circuits as well as ventilation, extraction and air-conditioning systems
- one time switch point adjustment
- protection class IP67
- medium temperature range: $-25\text{ }^{\circ}\text{C}$... $+100\text{ }^{\circ}\text{C}$ ($-13\text{ }^{\circ}\text{F}$... $+212\text{ }^{\circ}\text{F}$)
- adjustable up to 4.5 m/s



Electronic Flow Monitor FS10 screw-in type.



Electronic Flow Monitor FS10 plug-in type.



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