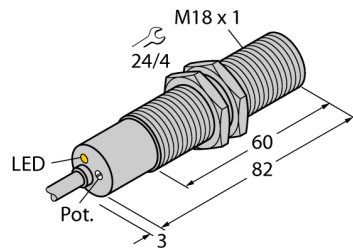


Flow monitoring

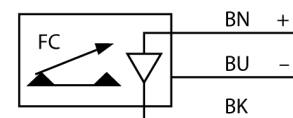
Immersion sensor with integrated processor

FCS-M18-LIX



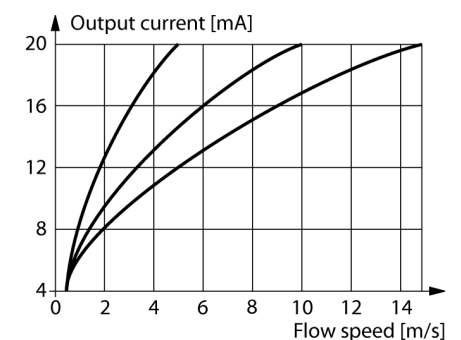
- Flow sensor for gaseous media
- Calorimetric principle
- Adjustment via potentiometer
- LED "power on" indication
- Chrome-plated brass sensor
- 3-wire DC, 21...26 VDC
- 4...20 mA analog output

Wiring diagram



Functional principle

Our insertion - flow sensors operate on the principle of thermodynamics. The measuring probe is heated by several °C as against the flow medium. When fluid moves along the probe, the heat generated in the probe is dissipated. The resulting temperature is measured and compared to the medium temperature. The flow status of every medium can be derived from the evaluated temperature difference. Thus TURCK's wear-free flow sensors reliably monitor the flow of gaseous and liquid media.



Type code	FCS-M18-LIX
Ident-No.	6870707
Ident-No (TUSA)	M6870707
Mounting	insertion style sensor
Air Operating Range	0.5...15 m/s
Setting time	typ. 2 s (1...20 s)
Temperature gradient	≤ 200 K/min
Medium temperature	-20...70 °C
Operating voltage	21... 26VDC
Output function	analog output
Short-circuit protection	yes
Reverse polarity protection	yes
Current output	4...20mA
Load	≤ 500 Ω
IP Rating	IP67
Housing material	metal, CuZn
Sensor material	brass, brass, nickel-plated
Connection	cable
Cable length	2 m
Cable cross section	3 x 0.5 mm ²
Pressure resistance	3 bar
Process connection	M18 x 1
Power on display	LED, green