

## FLUC-10 - ELECTRONIC CALORIMETRIC FLOW

- Insertion, calorimetric principle, compact flow sensor.
- Suitable for measuring the speed of liquid and gaseous fluids
- Quick assembly / disassembly, installation shunt of existing pipelines also
- No moving parts
- Easy setting of the switching point and the adjustment point scale
- Sensor element in stainless steel
- Transistor static electronic output
- DC power supply
- Compact dimensions
- Horizontal bar 10 led display
- Two keys programming
- Reduced sensitivity to dirt
- Minimum pressure losses
- Compensated temperature: -25°C...+80°C

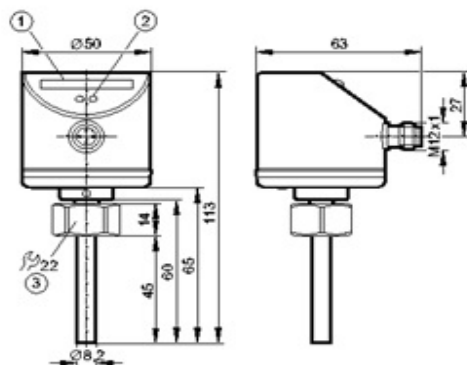


## DESCRIPTIONS

Calorimetric principle of measurement of the flow velocity. Is measured electrically the current required to maintain a constant temperature of a temperature probe immersed in and cooled by the flow, which is proportional to its speed. A second sensor detects the temperature of the fluid and compensates the measure, making it independent from the operating temperature.

## TECHNICAL SPECIFICATIONS

Fluids:	air, gas or neutral liquid
<b>Measuring range:</b>	<b>liquids 0,03...3,00 mt/sec. <math>\pm 0,03+0,6</math></b> <b>gases 2,00...30,00 mt/sec. <math>\pm 2,00+8,00</math></b>
Set point:	adjustable 0 ... 100% F.S.
Output:	Static PNP 24V - max 400 mA protected configurable NO or NC
Power supply:	19...36 Vdc 60 mA
Work temperature:	-25°...+80°C
Work pressure:	300 bar max
Temperature gradient:	max 300°K / 1 min.
Warm-up time:	15 seconds
Response time:	1...10 seconds
Protection:	IP67 IEC 60529 UL50
Mechanical strength:	vibration to 20 g (DIN / IEC 68-2-6, 55-2000 Hz); shock 50 g (DIN / IEC 68-2-27, 11 ms)
Housing material:	S.S. V2A 1.4301, PC, PBT-GF20, EPDM/X
Sensor material:	S.S. 316L
Display:	horizontal bar 10 led (3 colors)
Electric connections:	cylindrical connector PIN M12-4
Hydraulic connections:	female swivel nut M18x1.5 (adapters for 1/4" - 1/2" BSP)



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