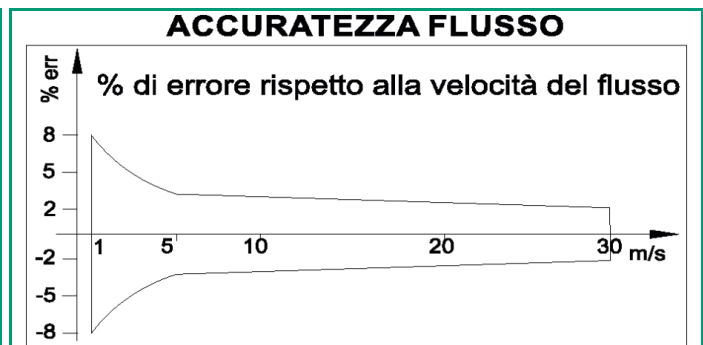
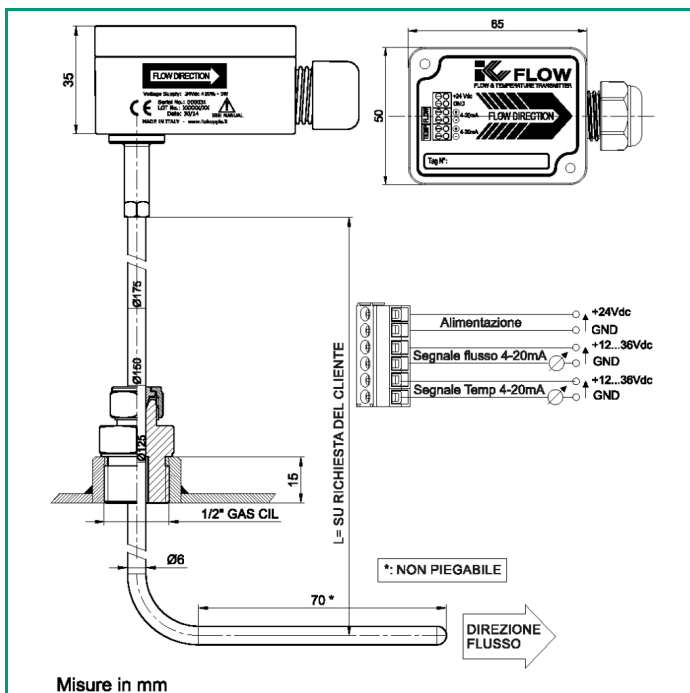


# ICFLOW

## 4 ÷ 20mA programmable thermodynamic flow transmitter

Programmable device for measuring the mass flow (Kg/h), volumetric flow (m<sup>3</sup>/h) or point-velocity flow (m/s); the device is also equipped with a 4-20mA output for the process temperature measurement.



## TECHNICAL SPECIFICATION

Supply voltage	19,5 ÷ 28,5 Vcc (polarity protected)
Power consumption	max. 5W
Accuracy	temperature: $\pm 0,3^{\circ}\text{C}$ flow: refer to the graph
Permitted load	500 $\Omega$ @ 24 Vcc [ $RL\Omega = (V_{\text{supply}} - 12) / 0,022$ ]
Output signal type	flow: 4 ÷ 20 mA temperature: 4 ÷ 20 mA
Output insulation	2.5 KV (for both outputs)
Signal	4 ÷ 20 mA
Internal connection terminal type	terminal board with screws
Range configurations	modifiable using the special ICFLOW-SET configuration kit (a PC with Windows operating system is required)
PCB operating temperature	-35 ÷ 80°C
EMC	According to EN 61326-1:2013
Sensing element operating temperature range	0 ÷ 200°C
Flow speed	1 ÷ 30 m/s
Sensing element	Pt1000 $\Omega$ @ 0°C thermodynamic sensor
Accuracy class in accordance to IEC751 (*) (*) Pt 100 cl.A only available with 3 or 4 wires, cl.AA 4 wires only; Pt 1000 cl. A available with 2 wires only for cable lengths below 1 m, for longer cables only available with 3 or 4 wires, cl. AA 3 wires for cable lengths below 1 m, for longer cables only 4 wires.	cl. B
Sheath diameter d=	Ø 6 mm
Sheet material	AISI 316L
Stem length L	130 mm 200 mm 260 mm Other lengths on request
Fixing system	sliding compression fitting with SS ferrule
Process connection (*) (*) Thread STANDARDS (CYL. GAS in accordance with UNI-ISO 228) (CON. GAS in accordance with UNI-ISO 7-1) (NPT in accordance with ANSI B 1.20.1)	male thread G 1/2" UNI ISO 228
Process connection material	AISI 316L
Compensation coefficient	operating pressure conduit type (circular or rectangular) conduit section
Connection head / junction box	65 mm x 50 mm x 35 mm
Connection head / junction box material	Glass fibre reinforced polycarbonate
Cable gland dimension	Ø 5 ÷ 10 mm
International protection marking (*) (*) According to IEC 60529	IP66
Marking	Stating symbol "SEE MANUAL", marking symbol "CE", part number, Week / Year of production, power supply range, pinout and serial number
Product marking	The level for installation in central point of all normalised conduits is marked on the stem