

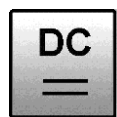
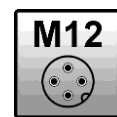
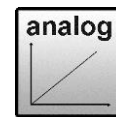
## SL870020

Flow sensors  
Programmable airflow sensors

- / Mass flow measurement of air
- / Consumption measurement in compressed air networks
- / TFT display
- / Easy installation under pressure



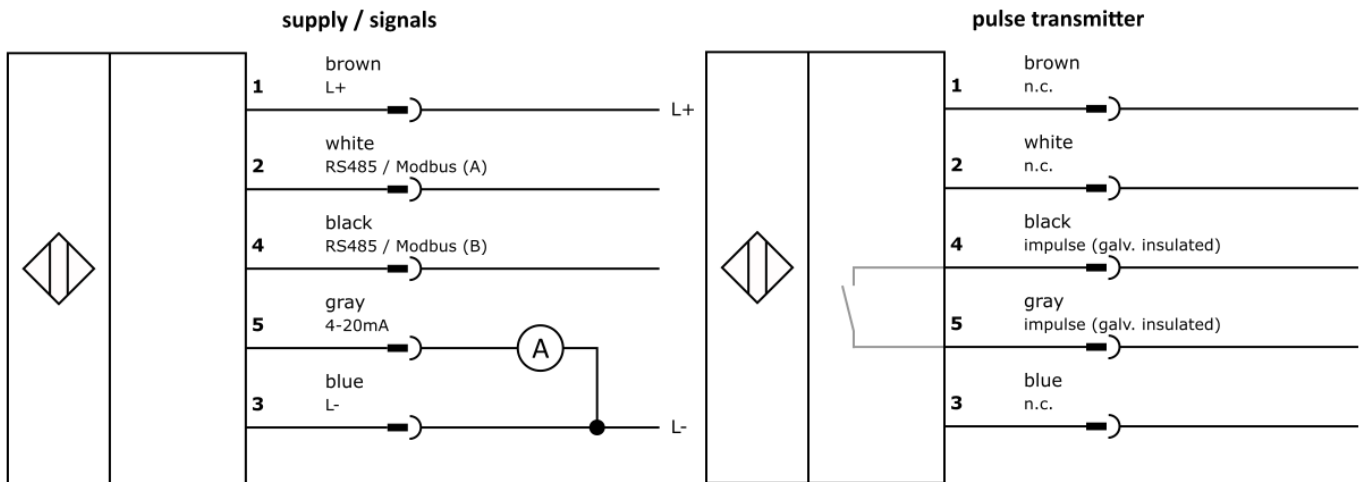
**Modbus RTU**  
**Analog and pulse output**



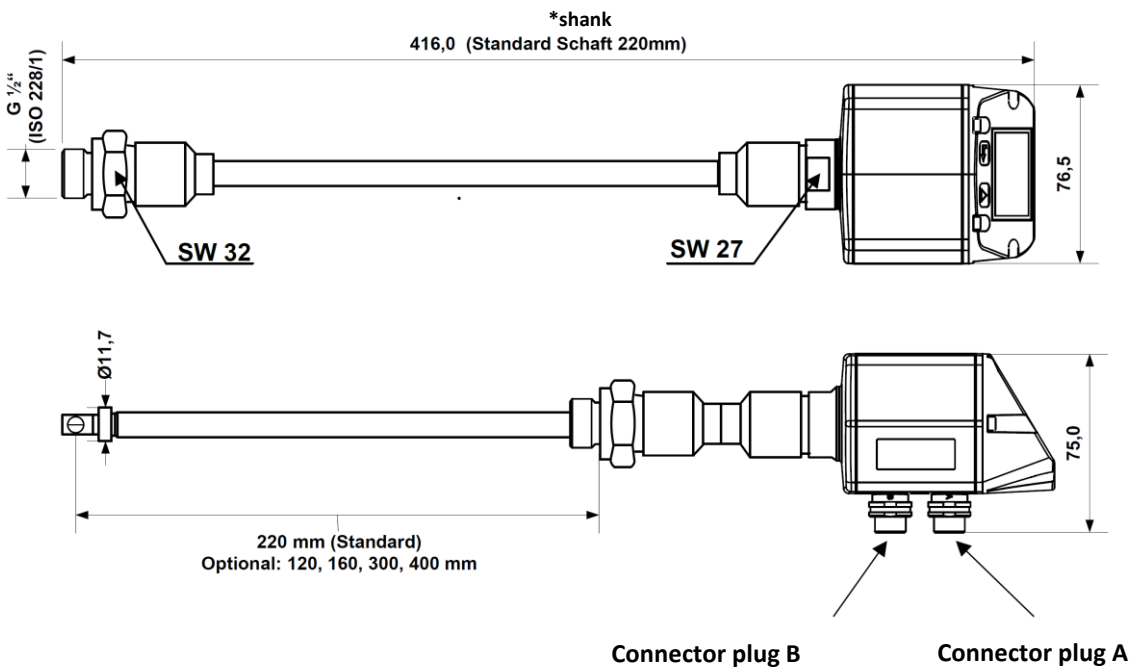
### TECHNICAL DATA

Measured variables	Flow, consumption and speed
Reference standard	Standard setting ex works:: DIN 1945, ISO 1217 at 20°C and 1,000 mbar other standard states adjustable via keypad
Adjustable units	m <sup>3</sup> /h (standard setting ex works) m <sup>3</sup> /min, l/min, l/s, ft/min, cfm, m/s, kg/h, kg/min, kg/s, °C, °F
Measuring principle	calorimetric measurement
Sensor	Pt45, Pt1000
Measuring medium	Air, gases
Ambient temperatur	Sensor tube: -30 ... 110°C Housing: -20 ... 70 °C
Operating pressure	up to 50 bar (pressure > 10bar a high pressure safety device is strongly recommended)
Power supply	12 ... 36 VDC
Power consumption	max. 5W
Digital output	RS 485 (Modbus RTU )
Analog output	4...20 mA, max. load < 500 Ohm
Pulse output	Potential-free switching contact Passive: max. 48V DC,150mA 1 pulse per m <sup>3</sup> or per l, valence adjustable via display keys
Accuracy	± 1,5 % from measured value, ± 0,3 % from final value
Display	TFT 1.8" Resolution 220 x 176
Screw-in thread	G1/2"
Tube diameter	G1/2" ... DN 1000
Installation	1/2"- Threaded connection or tapping clamp with ball valve
Material	stainless steel 1.4301 / polycarbonate
Protection class (EN 60529)	IP65
Connection	2 x M12-connector, 5-pin

**Elektrical connection**



**Dimensional drawing**



**SAFETY INSTRUCTIONS:**

Before commissioning, please make sure that all safety instructions listed in the product documentation, if applicable, have been observed!

If there is a direct effect on personal safety, the use of these products is prohibited.