

## Technical data

Technical data		
SF13		
Max. operating pressure	16 bar	
Measuring technique	Calorimetric	
Operating temperature	Sensor tube and fittings: -30 ... +140 °C Housing: -30 ... +80 °C	
Measured parameters	m <sup>3</sup> /h (factory settings) On the display version, the following units can be chosen: m <sup>3</sup> /min, l/min, l/s, ft/min, cfm, m/s, kg/min, kg/s	
Sensor	Pt45, Pt1000	
Media	Compressed air, nitrogen	
Humidity of medium	max. 90 % rH (no droplets)	
Power supply	18 ... 36 VDC	
Power consumption	max. 5 W	
Digital output	RS485 (ModBus RTU)	
Current output	4 ... 20 mA (see table below) (max. resistance < 500 Ω)	
	Designation	Current output
	Measuring section DN8 (R¼")	0 ... 90 l/min
	Measuring section DN15 (R½")	0 ... 90 m <sup>3</sup> /h
	Measuring section DN20 (R¾")	0 ... 170 m <sup>3</sup> /h
	Measuring section DN25 (R1")	0 ... 290 m <sup>3</sup> /h
	Measuring section DN32 (R1¼")	0 ... 530 m <sup>3</sup> /h
	Measuring section DN40 (R1½")	0 ... 730 m <sup>3</sup> /h
	Measuring section DN50 (R2")	0 ... 1195 m <sup>3</sup> /h
Pulse output	Floating switch contact Passive: max. 48 VDC 150 mA 1 pulse per m <sup>3</sup> or per litre Unit adjustable at display	
Accuracy	± 1.5 % of measured value ± 0.3 % of final value	
Display/indicator	Display: TFT 1.8" (resolution: 220 x 167) or service LED	
Screw fitting	G½ (ISO 228/1)	
Material	Sensor tube and fittings: 1.4301 stainless steel Housing: Powder-coated aluminium Measuring section: 1.4404 (DIN EN 1092-1)	

### Reference conditions according to DIN 1945 / ISO 1217

+20 °C and 1000 mbar; other reference values can be set through the display or service functions.

## Technical data

Technical data	
	SF53
Maximum positive operating pressure	16 bar, optionally 50 bar
Measuring technique	Calorimetric
Operating temperature	Sensor tube and fittings: -30 ... +140 °C Housing: -30 ... +80 °C
Measuring quantities	m <sup>3</sup> /h (factory settings) On the display version, the following units can be chosen: m <sup>3</sup> /min, l/min, l/s, ft/min, cfm, m/s, kg/min, kg/s
Sensor	Pt45, Pt1000
Measuring medium	Compressed air, nitrogen
Humidity of medium	max. 90% rH (non-condensing)
Voltage supply	18 ... 36 VDC
Power consumption	max. 5 W
Digital output	RS485 (Modbus RTU)
Analogue output	4 ... 20 mA (max. ohmic load < 500 Ω)
Pulse output	Floating switch contact Passive: max. 48 VDC 150 mA 1 pulse per m <sup>3</sup> or per litre Unit adjustable at display using control keys
Accuracy	±1.5% of measured value ±0.3% of the final value
Display	Display: TFT 1.8" (resolution: 220 x 167) or service LED
Screw fitting	G½ (ISO 228/1)
Material	Sensor tube and fittings: 1.4301 stainless steel Housing: Powder-coated aluminium Flange: 1.4404 (DIN EN 1092-1)