

HYBRID GAS DENSITY MONITOR WITH CURRENT OUTPUT

- Exact switching output at all temperatures
- No contact bouncing
- Continuous density and temperature measurement
- Long term drift free output signal
- Maintenance free



Hybrid gas density monitor with current output 878x

Swiss based Trafag offers precise, reliable and maintenance-free instruments, developed for density monitoring of SF₆ and alternative gases. Measurement is based on the gas density reference principle or the patented quartz tuning fork technology. Hybrid monitors combine both principles in one instrument. Thus offering the most reliable solution on the market by directly measuring the gas density.



Applications

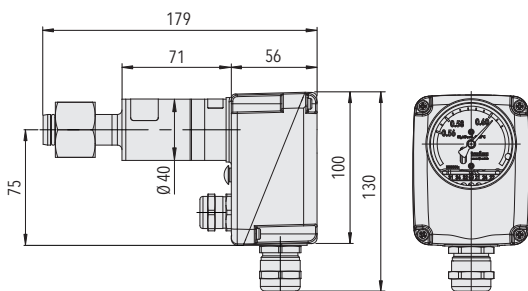
- High voltage technology
- Medium voltage technology
- SF₆ and variety of alternative mixed gases

Features

- Exact switching output at all temperatures
- No contact bouncing
- Continuous density and temperature measurement
- Long term drift free output signal
- Maintenance free

Technical Data			
Measuring principle	<ul style="list-style-type: none"> • Monitor: Absolute pressure reference gas measuring system • Sensor: Oscillating quartz 	Quantity of switchpoints	1 ... 3 microswitches
Measuring range	<ul style="list-style-type: none"> • Monitor: 0 ... 1100 kPa abs. @ 20°C • Sensor: 0 ... 60 kg/m³ • 0 ... 1100 kPa abs. @ 20°C 	Dial	Scale and units selectable
Output signal	<ul style="list-style-type: none"> • Monitor: Floating change-over contact (SPDT) • Sensor: 6.5 ... 20 mA 	Ambient temperature	-40°C ... +80°C

Example model with axial process connection and cap nut



Example model with radial process connection

