

# TRP 26 Series

## Differential pressure transmitter

Ref : 2851

Rev : A



## DESCRIPTION

The TRP 26 differential pressure sensor is an instrument of high level of precision and long-term stability through regular self-calibration of the zero point. This makes it perfectly suitable for use in air-conditioned rooms, cleanrooms, laboratories, pharmaceutical plants. It has a wide range of pressure and volume flow units. The integrated valve guarantees high overload capacity, and the automatic compensation function guarantees no zero point drift.

## TECHNICAL CHARACTERISTICS

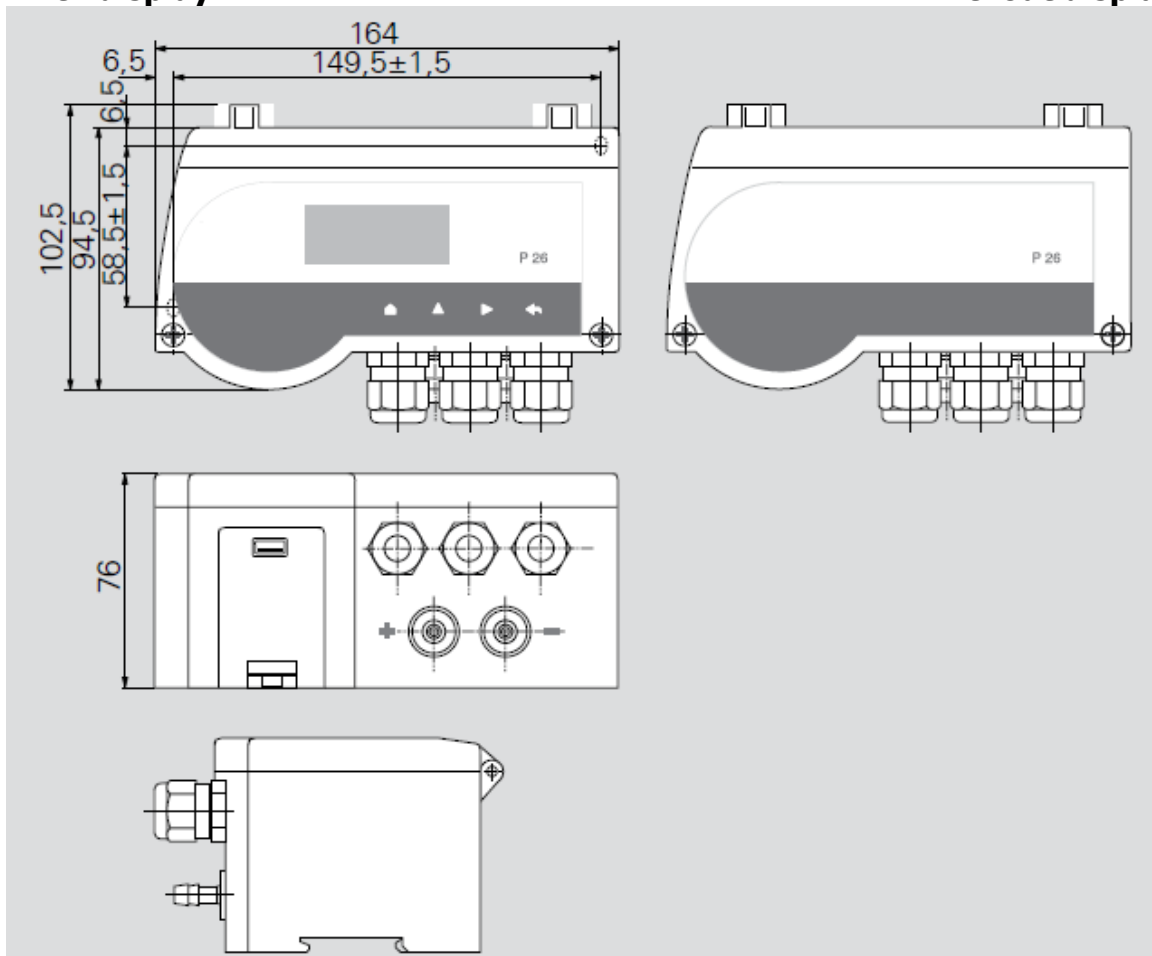
PARAMETERS	VALUES
Measuring range	10 / 50 / 100 / 250 / 500 Pa 1 / 2.5 / 5 / 10 / 20 / 50 / 100 kPa
Pressure type	Differential
Measurement accuracy	± 0.2 % of max. value (for measurement ranges ≤ 50 kPa) or ± 0.5 % of max. value
Temperature coefficient span	0.03 % FS / K (10 ... 50 °C)
Temperature coefficient span zero point	± 0 % (cyclical zero-point correction)
<b>Max. system pressure /</b> Overload capacity	600 kPa for measurement ranges ≥ 2.5 kPa 200 fois or measurement ranges < 2.5 kPa
Medium	Air, all non-aggressive gases
Max. Pressure of the system	10 kPa for measurement ranges ≤ 10 kPa Max. nominal pressure of the sensor for measurement ranges > 10 kPa
Response time	25 ms
Step response time (Time constant)	20 ms ... 40 s (adjustable)
Operational temperature	10 ... 50 °C
Storage temperature	-10 ... 70 °C
Power consumption	Approx. 6 VA
Poids	Approx. 750 g
Cable glands	3 x M16
Pressure ports	For tubing NW 6 mm (others on request)
Protection class	IP 65, with USB : IP40
Certificates	CE/UKCA

- ✓ High precision differential pressure transmitter for air-conditioning, cleanroom and process
- ✓ Top-hat rail or wall mounting
- ✓ Wide range of units for pressure and volume flow
- ✓ Scalable units and measurement ranges
- ✓ Zero-point correction prevents zero-point drift
- ✓ Built-in valve provides a high level of overpressure protection
- ✓ Multilingual menu (English / French / German / Italian)
- ✓ Contact points with adjustable switching outputs (option)
- ✓ Set the zero-point via an external interface (option)
- ✓ USB interface (option)


## DIMENSIONS (mm)

**With display**

**without display**



ORDER INFORMATION

Order reference	A	B	C	D	E	F	G
<b>TRP 26</b>	-	-	-	-	-	-	-
<b>Output</b> → 0...10 V ( $R_L \geq 2 \text{ k}\Omega$ ) <b>A</b> 1 → 0...20 mA ( $R_L \geq 500 \Omega$ ) <b>A</b> 0 → 4...20 mA ( $R_L \leq 500 \Omega$ ) <b>A</b> 4 → ± 5 V ( $R_L \geq 2 \text{ k}\Omega$ ) <b>A</b> 5							
<b>Alimentation</b> → 24 VAC/DC ± 10 % <b>B</b> 24ACDC → 24 VAC +6% <b>B</b> 24AC (à séparation galvanique) → 230/115 VAC-15% <b>B</b> 230/115							
<b>Measuring range</b> (e.g. 0...10Pa, -10...50 mbar ...) <b>C</b>							
<b>Measurement accuracy</b> → ±0.2 % FS <b>D</b> 2 → ±0.5 % FS <b>D</b> 5							
<b>LCD Display</b> → none <b>E</b> 0 → LCD display and keyboard <b>E</b> LC							
							
<b>Contacts points</b> → none <b>F</b> 0 → air meter <b>F</b> 1 → 2 relays (changeover contacts) 2 Max. 230 V AC, 6A <b>F</b> 2							
<b>Data Interface</b> → None <b>G</b> 0 → USB (data cable supplied) <b>G</b> U0 → External zero-point calibration <b>G</b> 0X → External zero-point calibration and USB (data cable supplied) <b>G</b> UX							

CONTACT

**MESUREX**  
 13 Rue des Corroyés  
 78730 Saint Arnoult en Yvelines

Tel : +33 (0) 1 30 41 23 62  
 Mail : [mesurex@mesurex.fr](mailto:mesurex@mesurex.fr)  
 Web : [www.mesurex.fr](http://www.mesurex.fr)