

KPEL DIFFERENTIAL PRESSURE TRANSMITTER

KPEL is a pressure transmitter for detecting pressures and pressure differences of the air-handling system.

The transmitter has two separate temperature compensated pressure measurements. The pressure range can be selected separately for both measurements.

To order a transmitter with backlit display, add "-N" to the model (e.g. KPEL-N). The display resolution is 1 Pa. The display can also be added after commissioning.

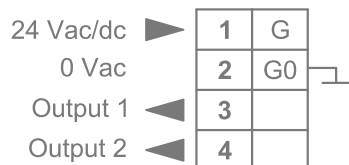
The transmitter can also be used as a controller. The controller settings can be changed by using the ML-SER tool.

Selecting measuring range

S1/S4	S2/S5	S3/S6	
			
		0...2500 Pa *	0...500 Pa
		0...2000 Pa	0...200 Pa
		0...1500 Pa	0...100 Pa
		0...1000 Pa	±100 Pa

* = Factory setting. The 0...2500 Pa range is also used for the custom range setting. The range limits can be changed with the ML-SER tool.

Wiring



Technical data:

Supply	24 Vac/dc (22...28 V)
Power consumption	24 Vdc < 2,0 VA 24 Vac < 2,5 VA
Measuring ranges	± 100 Pa 0...1000 Pa 0...100 Pa 0...1500 Pa 0...200 Pa 0...2000 Pa 0...500 Pa *0...2500 Pa
Pressure connections	Ø5 mm
**Outputs	2 x 0...10 Vdc, < 2 mA or 2 x 4...20 mA, < 700 Ω
Accuracy	±3 Pa ±1.25 % of reading (25 °C)
Long term stability	±10 Pa/year
Time constant	1...20 s, *8 s
Display (N models)	backlit dot matrix display
Operating temperature	0...50 °C
Max. over pressure	13 kPa
Housing	IP54, polycarbonate
	* = factory setting ** = Two terminals for outputs

Ordering guide:

Model	Product number	Description
KPEL	1131310	dual differential pressure transmitter, manual zeroing
ML-SER	1139010	Transmitter commissioning tool

Products fulfill the requirements of directive 2004/108/EC and are in accordance with the standards EN61000-6-3 (Emission) and EN61000-6-2 (Immunity).