



LP/E

Temperature Sensor with Perforated Protection Sleeve and PVC Cable

Measuring size: temperature

Output: passive sensor

Highlights: perforated protection sleeve, with core cable ends, protection sleeve stainless steel



Description

The LP/E cable probe measures the temperature in the range of -35 up to +105°C in gasiform medium and is available with all current sensors. The perforated stainless steel sleeve allows a quick response time, protects the sensor e.g. against mechanical impacts and is fixed with the pvc cable.

Technical Specifications

Measurement range temp.	-35...+105°C
Sensor	Pt100, Pt500, Pt1000, Ni1000, KTY, NTC, LM235Z (other on request)
Circuit type	2-wire connection
Measurement current	approx. 1 mA
Cable	PVC cable (2x0,25 mm ² , max. +105°C) with core cable ends in different lengths
Leakage resistance	> 100 MOhm, at +20°C (500 V DC)
Material	Protection sleeve: stainless steel VA 1.4571
Dimensions	Protection sleeve: Ø 6 x 50 mm
Protection type	IP20
Storage temperature	-20...+70°C
Installation	immersion sleeve, mounting flange, compression fitting (not in scope of delivery)
Approvals	CE, EAC, RoHS



Variants

Article Number	
Sensor	Cable
LP/E-10/2	
Pt100 (DIN EN 60751 Cl. B)	2 m PVC (2x0,25 mm ²)
LP/E-10/5	
Pt100 (DIN EN 60751 Cl. B)	5 m PVC (2x0,25 mm ²)
LP/E-20/2	
Pt1000 (DIN EN 60751 Cl. B)	2 m PVC (2x0,25 mm ²)
LP/E-20/5	
Pt1000 (DIN EN 60751 Cl. B)	5 m PVC (2x0,25 mm ²)
LP/E-30/2	
Ni1000 (whirl-sintered)	2 m PVC (2x0,25 mm ²)
LP/E-30/5	
Ni1000 (whirl-sintered)	5 m PVC (2x0,25 mm ²)
LP/E-40/2	
Ni1000TK5000 (whirl-sintered)	2 m PVC (2x0,25 mm ²)
LP/E-40/5	
Ni1000TK5000 (whirl-sintered)	5 m PVC (2x0,25 mm ²)
LP/E-50/2	
NTC1,8k (±1%)	2 m PVC (2x0,25 mm ²)
LP/E-50/5	
NTC1,8k (±1%)	5 m PVC (2x0,25 mm ²)
LP/E-60/2	
LM235Z (±1%)	2 m PVC (2x0,25 mm ²)
LP/E-60/5	
LM235Z (±1%)	5 m PVC (2x0,25 mm ²)
LP/E-70/2	
NTC20k (±1%)	2 m PVC (2x0,25 mm ²)
LP/E-70/5	
NTC20k (±1%)	5 m PVC (2x0,25 mm ²)
LP/E-75/2	
NTC5k (±1%)	2 m PVC (2x0,25 mm ²)
LP/E-75/5	
NTC5k (±1%)	5 m PVC (2x0,25 mm ²)



Article Number	
Sensor	Cable
LP/E-80/2	
NTC10k ($\pm 1\%$)	2 m PVC (2x0,25 mm ²)
LP/E-80/5	
NTC10k ($\pm 1\%$)	5 m PVC (2x0,25 mm ²)
LP/E-81/2	
KTY 81-110 ($\pm 1\%$)	2 m PVC (2x0,25 mm ²)
LP/E-81/5	
KTY 81-110 ($\pm 1\%$)	5 m PVC (2x0,25 mm ²)
LP/E-82/2	
KTY 81-121 ($\pm 1\%$)	2 m PVC (2x0,25 mm ²)
LP/E-82/5	
KTY 81-121 ($\pm 1\%$)	5 m PVC (2x0,25 mm ²)
LP/E-83/2	
KTY 81-210 (KTY 10-6) ($\pm 1\%$)	2 m PVC (2x0,25 mm ²)
LP/E-83/5	
KTY 81-210 (KTY 10-6) ($\pm 1\%$)	5 m PVC (2x0,25 mm ²)

Accessories



DT/G
Digital display



KV/E
Compression Clamp



SZ/E
Accessories



Accessories



ZT/E
Immersion sleeve



MFL/E
Mounting flange



MUD/E
Pt100 temperature transformer 0-10 V / 4-20 mA with double-PG housing



Dimensional Drawing

