

## Strap-on Temperature Transmitters

TEP LU and TEP LL transmitters are designed for automatic HVAC systems to detect water temperatures. Transmitters are protected by a stainless steel pocket for prolonged life. Housing is made of heat resistant plastics. The screw cover and the terminal blocks tilted to 45° make an easy installation.

Temperature is detected by a high quality Pt100 element and transmitted to the control system using a 0..10V (TEP LU) or 4..20mA (TEP LL) signal.

Transmitter is mounted on the pipe by means of an adjustable tie.

TEPLxxx-N transmitters have built-in display.



Model Types	Model	Description
	<b>TEP-LU</b>	PT100 Strap-on Temperature Transmitter, 0..10Vdc output
	<b>TEP-LU-N</b>	PT100 Strap-on Temperature Transmitter with Display, 0..10Vdc output
	<b>TEP-LL</b>	PT100 Strap-on Temperature Transmitter, 4..20mA output
	<b>TEP-LL-N</b>	PT100 Strap-on Temperature Transmitter with Display, 4..20mA output
Technical Data	Transmitter	2-wire (TEP LL & LL-N) 3-wire (TEP LU & LU-N)
	Supply Voltage	15..35Vdc (TEP LL & LL-N) 24Vac (TEP LU & LU-N)
	Sensor Element	Pt100 EN 60751/B
	Accuracy	±0.5°C (at 50°C)
	Pipe Connection	Ø32mm.. Ø80mm
	Housing	Plastic (<120°C)
	Protection class	IP 54, cable entry or stem down
	Cable entry	M16
	Ranges	0°C...+50°C, 0°C...+100°C, -50°C...+50°C, -50°C...+150°C
	Agency Approvals	Emissions: EN50081-1: 1992 Immunity: EN50082-2: 1995 Safety Directive: 89/336/EEC

<b>Wiring Terminals (TEP LU)</b>	1	Supply 24Vac
	2	Common (0V)
	3	Output 0-10Vdc, < 2mA

**Temperature/Output**

0/50°C	0/100°	-50/50°C	-50/150°C	mA (LL)	V (LU)
0	0	-50	-50	4	0
25	50	0	50	12	5
50	100	50	150	20	10
<b>on</b>	<b>on*</b>	<b>off</b>	<b>off</b>	<b>Switch S1</b>	
<b>off</b>	<b>on*</b>	<b>on</b>	<b>off</b>	<b>Switch S2</b>	

\* 0/100°C = factory setting

**Dimensions**

