

## Technical data

Input signal Pt10, Pt50	K, J, S, B, N, T, R, E voltage ), Pt100, Pt200, Pt500, Pt1000, Ni100, Cu100, resistance
Limit process	- 10mV< E<100mV or -100mV< E<1000mV 0Ω <r<400ω 0ω<r<2000ω<="" or="" td=""></r<400ω>
Min. measuring range	10mV or 10Ω
Output signal	420mA + HART
Power supply	1036V DC Safety: 1030V DC Ex, Safety Ex: 1030V DC
Max. Wires resistance	500Ω
Alarm signal 21,6mA Sensor current Accuracy	A or 3,75 mA or setting by user 0,25mA ± 0,1%
Time constant	0,21s
Additional electronic damping 03	
Ambient temperature	-40+85°C
Dimensions (WxHxD)	12,5mmx99mmx114,5mm

## Application and function

The temperature transmitter LI-24L is applicable to converting resistance of temperature or voltage of thermocouple sensor to standard current signal 4-20mA. The transmitters have two separate measuring channels enabling measurement of temperature difference, averange, averange with redundancy, max or min temperature. Transmitter has compensation of ambient temparature influence and compensation of thermocouple cold junction using internal/external (Pt100) sensor or constant temperature.

Most of parameters such as: sensor type, measuring range, current alarm signal when electric circuit is broken, output characteristic correction, user characteristic (60 points) are programmed using PC with HART/USB converter and Raport 2 configuration software.

For request Aplisens can set temperature transmitter parameters like measuring range, type of sensor. Their values are printed on label. Transmitter for rail mounting (TS-35).

