

Combustion Gas Temperature Transmitters

TESK LU and TESC LL transmitters are designed for temperature measurement in combustion gas from boilers and boiler plants. The sensor is protected by a stainless steel pocket for prolonged life. Housing is made of heat-resistant plastic. The screw cap and the terminal blocks are tilted 45° make an easy installation.

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

The sensor is mounted to the exit gas duct by means of an R 1/2" joint.



Model Types	Model	Description
	TESKLU0400	PT100 Combustion Gas Temperature Transmitter, 0..10Vdc output, 0..+400°C range
	TESKLL0400	PT100 Combustion Gas Temperature Transmitter, 4..20mA output, 0..+400°C range
Technical Data	Sensor Element	Pt100 EN 60751/B
	Accuracy	±0.5°C (at 0°C)
	Housing	Plastic (< 120°C)
	Protection class	IP 34, cable entry or stem down
	Cable entry	PG11
	Range	0°C...+400°C
	Transmitter	2-wire (TESK LL) 3-wire (TESK LU)
	Supply Voltage	15..35Vdc (TESK LL) 24Vac (TESK LU)

Note: Minimum distance between hot duct and plastic housing is 100mm.

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

**Temperature/mA
(TESK LL)**

TESKLL0400	
°C	mA
0	4
100	8
200	12
300	16
400	20

**Temperature/Vdc
(TESK LU)**

TESKLU0400	
°C	Vdc
0	0
100	2.5
200	5.0
300	7.5
400	10

Dimensions

