

Digital Temperature Indicator

TI-33 / TI-44 / TI-77 / TI-88 / TI-99



Features

- Selectable sensor Input (T/C & RTD)
- Universal supply voltage (90 to 270 VAC)
- Input Signal Conditioning
- Program Lock function

Technical Specifications

Display Specification

Digits	4 Digits Single Row 7 Segment LED Display				
Model	TI-33	TI-44	TI-77	TI-88	TI-99
Height					
PV (White)	0.39"	0.36"	0.56"	0.56"	0.56"

Keys

4 Controlling keys for configuration and operation

SET  SHIFT  UP  DOWN 

Auxiliary Supply Specification

Supply Voltage	90 - 270 VAC (24 VDC Available on Request)
----------------	---

Environmental Specification

Temperature	Operating - 0 to 50°C
Storage	-20° to 75°C
Humidity	95% RH (Non-condensing)

Input Specification

Sensor Input	Thermocouple - J, K, R, S, N, T, B, RTD - Pt-100
Resolution	T/C - 1°C Pt-100 - 1°C / 0.1°C
Accuracy	0.3% FSD
Temperature Unit	°C
Sampling Rate	250 m Sec
CJC Error	± 2°C
Sensor Open	All Input
Sensor Burnout Current	1.10uA
RTD Excitation Current	0.2mA
Input Impedance	>1M
Max Voltage	20 VDC

Certification

None



Make In India



Accurate



Reliable



Affordable



User Friendly

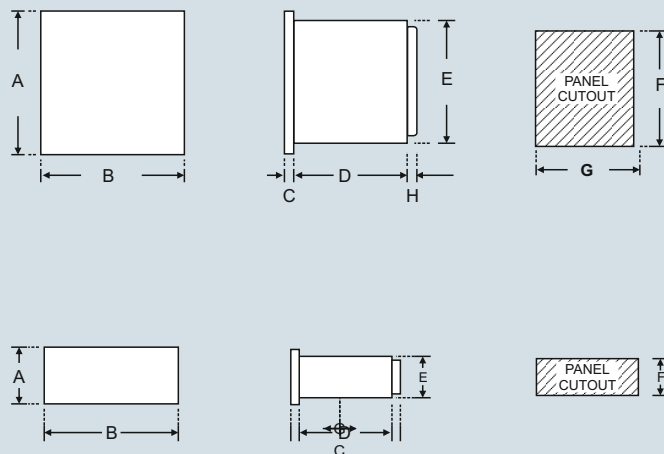
General Description

Model	TI-33	TI-44	TI-77	TI-88	TI-99
Weight (Gms)	200	120	170	150	180
Enclosure	Molded ABS				
Color	Black				
Accessories	1 Pair of Mounting clamp				
Terminal Cable Size	Barrier Type terminal cable Size (2.5 mm ²)				

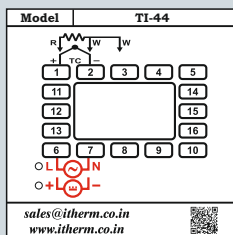
Mechanical Dimensions

Model	Dim	A	B	C	D	E	F	G	H
TI-33		36	72	5	79	21	32	68	9
TI-44		48	48	8	78	43	44	44	9
TI-77		72	72	10	65	66	68	68	9
TI-88		48	96	10	53	43	44	92	9
TI-99		100	100	4.5	50	89	90	90	9

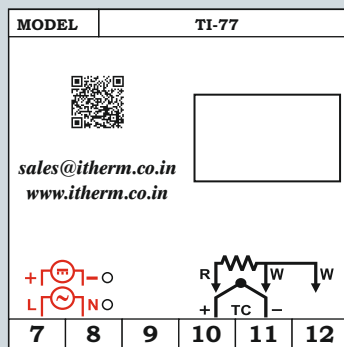
Mechanical Dimensions



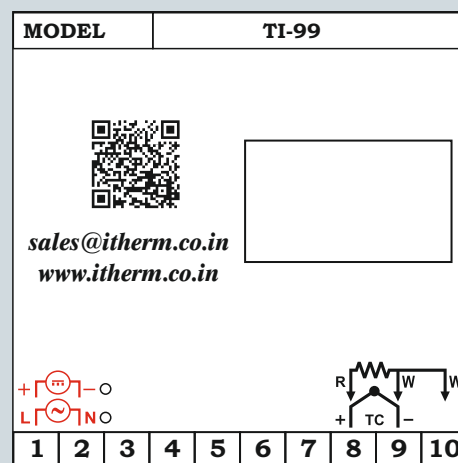
Terminal Diagram



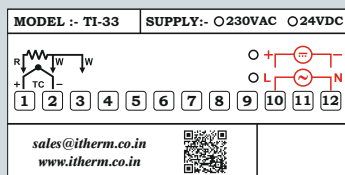
TI-44



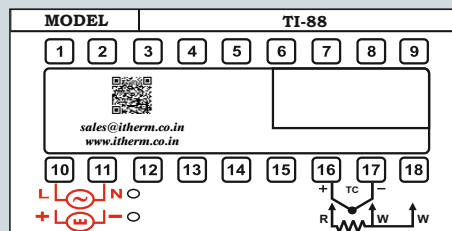
TI-77



TI-99



TI-33



TI-88

Order Code : TI-XX

Size	Model
33 (36X72X79)	TI-33
44 (48X48X78)	TI-44
77 (72X72X65)	TI-77
88 (48X96X53)	TI-88
99 (100X100X50)	TI-99

Input Sensor Range

Sensor Input	Range	Resolution	Accuracy
Thermocouple (J) Type	0 ~ 760 °C	1 °C	± 1 °C
Thermocouple (K) Type	-99 ~ 1300 °C	1 °C	± 1 °C
Thermocouple (R) Type	0 ~ 1700 °C	1 °C	± 1 °C
Thermocouple (S) Type	0 ~ 1700 °C	1 °C	± 1 °C
Thermocouple (N) Type	-99 ~ 1300 °C	1 °C	± 1 °C
Thermocouple (T) Type	-99 ~ 400 °C	1 °C	± 1 °C
Thermocouple (B) Type	0 ~ 1800 °C	1 °C	± 1 °C
Pt-100(RTD)	-100 ~ 450 °C	1 °C	± 1 °C
Pt-100(RTD.1)	-99.9 ~ 450.0 °C	0.1 °C	± 0.3 °C