



SERIES: T33

Dial: 4", 6"
Accuracy: 1.0%



DESCRIPTION

Indumart *T33 Series* All Stainless Steel Gas Filled Remote Mounted Capillary Thermometers are used to measure temperature in harsh environments. The operating principle of these thermometers is that the temperature of the process determines the pressure of the inert gas in the filled spiral (bourdon) tube system of the instrument. Deflection of the spiral tube will move the attached pointer, and as result, the process temperature will be indicated on the dial. For maximum accuracy on the low range units, the effects of ambient temperature is compensated by a bimetallic element fitted between the spiral tube and the movement.

The liquid filling option is available for use at measuring points with strong vibrations. The *T33 Series* may be combined with alarm contacts to form an indicating temperature switch.

The *33 Series* remote mounted thermometers are suitable for applications in aggressive media, where the dial can not be mounted directly to the process. The thermometer case is supplied as surface or panel mounting unit.

SPECIFICATIONS

Accuracy	1.0%
Dial Sizes	4" (100 mm), 6" (160 mm)
Case & Bayonet Bezel	304 stainless steel
	316 stainless steel (option)
Connection	316 stainless steel
	1/2" NPT (std.); 1/2" BSP (op.) adjustable, fixed
Stem Diameter	6, 8, 10 or 12 mm
Stem Length	25...1000 mm; others on request
Capillary Length	1...25 meter, please specify
Window	Glass, safety glass (option)
Zero Adjustment	Micrometer pointer
Max. Operating Press.	1500 kPa (220 psi)
Protection	IP65 with & without contacts
Process Temperature	-50...650°C / -58...1200°F
	Select various ranges from the range table

Specifications may change without prior notice.

With or Without Alarm Contact(s)

ORDER CODES

Model T33

CONNECTION TYPE

Back
Bottom

K
T

DIAL SIZE

100 mm (4")
160 mm (6")

4
6

CONNECTION TO PROCESS

Adjustable
Plain

A
P

MOUNTING

Back Flange Wall Mounting
Front Flange Panel Mounting
U-Clamp Panel Mounting
Wall Mounting Console

K
F
U
C

STEM DIAMETER

6.0 mm
8.0 mm
10 mm
12 mm (Standard)

0
2
3
4

OPTIONS (more than one option may be selected)

Glycerine Filling
Silicon Filling
316 Stainless Steel Case & Bezel
Safety Glass
BSP Thread
Alarm Contacts (add the code from P82 Catalogue, Ex.: M12)

FG
FS
CT
WS
TB
*

Please specify the stem length and capillary length at the end of the selected model.

Example: T33T4-FK4-WS,TB (75 mm stem & 3 m Capillary)

*Single or double SPST or SPDT, NO or NC, Magnetic Snap Action or Inductive type. For details, please see P82 catalogue.

