



SERIES: T38

Dial: 4", 6"
Accuracy: 1.0%

Gas Filled Capillary Thermometers with 1 or 2 Microswitch(es)



DESCRIPTION

Indumart T38 Series Gas Filled Remote Mounted Capillary Temperature Switches are used to measure and display temperature on a dial indicator and act as multi-stage temperature switches. They are ideal tools for controlling process sequences with the aid of process 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 T38 Series 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	Stainless steel
Connection	Bottom, back, 316 st. steel ½" NPT, BSP thread (option) adjustable, plain, sanitary
Stem Material	316 stainless steel
Stem Diameter	6.35mm (¼") or 12.5mm (½") others on request
Stem Length	25...1000 mm; others on request
Capillary Length	1 m (std.); maximum 10 m
Window	Plexiglas
Contact Rating	5A@125VAC, 3A@250VAC, 5A@30VDC, 0.4A@125VDC 0.2A@250VDC
Pointer Adjustment	±6% F.S., screw on the side
Setpoint(s)	Adjustable from outside
Contact Pointer(s)	1st red, 2nd yellow
Electric Connection	Cable junction box
Max. Operating Press.	2500 kPa (360 psi)
IP Rating	IP65
Ambient Temperature	-40...80°C
Process Temperature	-200...800°C; single or dual scale with a minimum of 60°C (100°F) span; select various ranges from the range table

Specifications may change without prior notice.

ORDER CODES

Model T38

CONNECTION TYPE

Back
Bottom



DIAL SIZE

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



CONNECTION TO PROCESS

Adjustable
Plain
Tri clamp (1", 1½" or 2" - please specify)



CONTACT TYPE

Single
Double



STEM DIAMETER

6.35 mm (¼")
12.5 mm (½")
Other (please specify in the order)



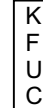
CONNECTION

½" NPT Thread
½" BSP Thread
Other (please specify in the order)



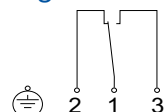
MOUNTING

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



Please specify the stem length in mm and capillary length other than 1 metre at the end of the selected model.

Single Contact



Double Contact

