



SERIES: T37

Gas Filled Thermometers with 1 or 2 Microswitch(es)

Dial: 4", 6"
Accuracy: 1.0%



DESCRIPTION

Indumart T37 Series Gas Filled 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.

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 | 12.5mm (½") |
| Stem Length | 25...1000 mm; others on request |
| 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 |

ORDER CODES

Model T37

CONNECTION TYPE

Back
Bottom

K
T

DIAL SIZE

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

4
6

CONNECTION TO PROCESS

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

A
P
T

CONTACT TYPE

Single
Double

1
2

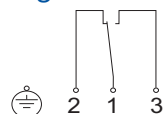
CONNECTION

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

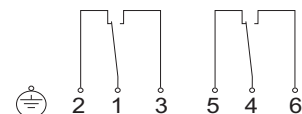
N
B

Please specify the stem length in mm.

Single Contact



Double Contact



Specifications may change without prior notice.

