

Gas filled thermometer with microswitch

This product with capillaries are used in locations which are not easily accessible and where long distances have to be bridged. They can therefore be used universally, e.g. in machine building, refrigeration and air-conditioning applications or other industrial applications.

APPLICATION:

General-purpose instrument for gaseous, liquid and highly viscous media
Refrigeration technology
Machine building
Transformers
Food industry

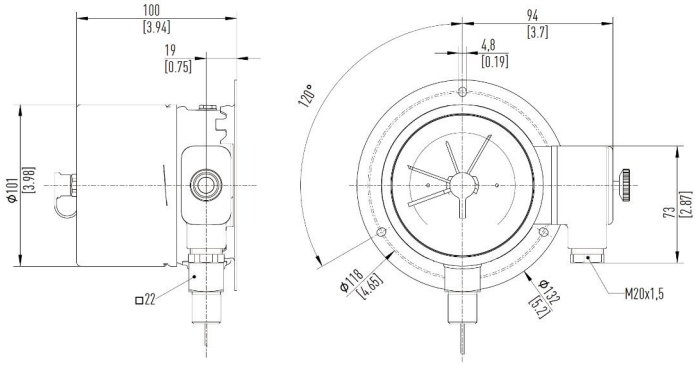
STANDARD PARAMETERS

Mounting: flange(St/St) or bracket(aluminium die-casting)
Accuracy: Class 2.0
Temperature limits:
Room temperature: 0... 50 ℃ (32... 122 ℉)
Max. Pressure on stem: 25bar
Temperature range: -150 ... +250 °C (-238 ... +482 °F)
Sensor element: Bourdon tube (Inert gas expansion). Room temperature compensator by bimetallic strip
Capillary length: 3;5;8;10m
Stem length: 20 ... 600 mm (0.78 ... 23.62 in); Dia: 8, 10mm, others on request
Process connection: Plain stem(without thread), Male nut, Union nut, Sliding connection
Threaded connection: 1/2"BSP, 1/2"BSPT 3/"4BSP, 3/4""BSPT, 1/2"NPT, 3/4"NPT M18x1.5 or M24x1.5
Antivibration liquid: Xylene, Silicone oil, Syltherm
Output signal
Type of contact Microswitch
Contact version
1 fixed change-over contact
2 fixed change-over contacts
1 adjustable change-over contact
2 adjustable change-over contacts
Switch rating 5 A non-inductive at max. 250 V, 50 ... 60 Hz
Standard switch differential < 2 % of scale range
Switch point setting Adjustable from outside with adjustment key or fixed

MATERIAL

Case and ring: AISI 304 Stainless steel
Moving parts and bourdon tube: Copper alloy
Capillary: St/St
Display: Laminated safety glass, Instrument glass
Dial: White lacquered aluminum
Pointer: Black lacquered aluminum
Capillary coating: AISI 304 Stainless steel
Bulb/Stem: AISI 304 Stainless steel
Threaded connection: AISI 304 Stainless steel, copper alloy

surface mounting flange



instrument mounting bracket

