TMI

Inert gas thermometers

Technical Data Sheet

WATTS®

Description

Centre back entry with capillary and 3-hole front flange for panel mounting. For food and pharmaceutical industries.

TMI-80

DN80 thermometers.

Part No	Stem (mm)	Scale Range	Connec.	Options*	Box/ Master	Min. order
PZ439810	1	-30+50 °C			1/1	1
PZ43481001	1	-20+80 °C			1/1	1
PZ434410	1	0-60 °C			1/1	1
PZ43481004	1	0-100 °C			1/1	1
PZ435010	1	0-120 °C			1/1	1
PZ435810	1	0-200 °C			1/1	1
	1	0-250 °C			1/1	1
	1	0-300 °C			1/1	1
PZ43641002	1	0-400 °C			1/1	1
PZ436810	1	0-600 °C			1/1	1

TMI-100

DN100 thermometers.

Part No	Stem (mm)	Scale Range	Connec.	Options*	Box/ Master	Min. order
PZ44981001	1	-30+50 °C			1/1	1
	1	-20+80 °C			1/1	1
PZ444410	1	0-60 °C			1/1	1
PZ44481000	1	0-100 °C			1/1	1
PZ445010	1	0-120 °C			1/1	1
PZ44581001	1	0-200 °C			1/1	1
	1	0-250 °C			1/1	1
	1	0-300 °C			1/1	1
PZ446410	1	0-400 °C			1/1	1
PZ446810	1	0-500 °C			1/1	1

TMI-150

DN150 thermometers.

Part No	Stem (mm)	Scale Range	Connec.	Options*	Box/ Master	Min. order
	1	-30+50 °C			1/1	1
	1	-20+80 °C			1/1	1
PZ45441002	1	0-60 °C			1/1	1
	1	0-100 °C			1/1	1
PZ455010	1	0-120 °C			1/1	1
	1	0-200 °C			1/1	1
	1	0-250 °C			1/1	1
	1	0-300 °C			1/1	1
	1	0-400 °C			1/1	1
	1	0-500 °C			1/1	1

Customizations per minimum order quantity

Customizations	Model
Inox capillary length: for each extra 1 meter	TMI-80-100-150

Electric contacts

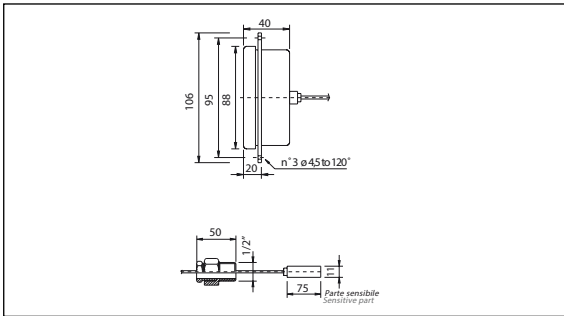| Options |
|---|
| 1… = With 1st electric contact …: NC = Contact opens - NA = Contact closes |
| 2… = With 2nd electric contact …:NC = Contact opens - NA = Contact closes |
| 0 = With permanent magnets |
| 4 = Indipendent contacts (4-wire electric contact) r |
| L = Liquid filled |

Features

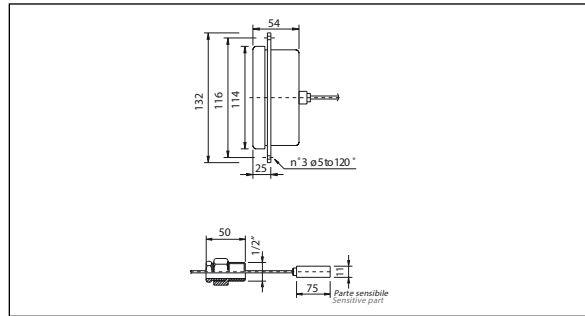| Materials	
Case and ring	AISI 304 stainless steel with bayonet clutch
Window	Glass 3 mm thick
Dial	White aluminium with black scale and graduation
Pointer	Black anodized aluminium; zero adjustament
Movement	AISI 304 stainless steel
Connection	AISI 316L bulb - Cylindrical DN 11 length 75 mm
Capillary	Bare steel 1 mt with inox sensitive part 100 mm thread 1/2 (longer on request) with st. steel pocket size 1/2
Temperature element	Inert gas system

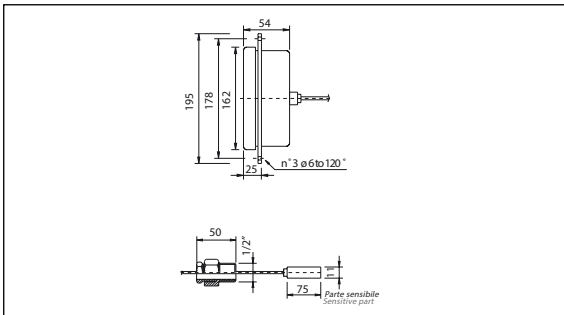| Technical features	
Design	*EN 13190*
Temperature limits	Ambient: -30 ... +65 °C Medium: as per scale indication Storage: -30 ... +65 °C
Temperature limits	As per scale indication
Accuracy class	cl. 1,0
Degree of protection	IP 55
Individual weight: TMI-80 TMI-100 TMI-150	0.30 Kg 0.40 Kg 0.70 Kg

Overall dimensions (mm)

TMI-80

TMI-100

TMI-150

Specification text

All stainless steel inert gas thermometers **Series TMI**, for food and pharmaceutical industries. All stainless steel DN 80-100-150 **bottom connection with capillary and 3-hole front flange for panel mounting**. Measures range from 0-60 a 500 °C / -30+50 °C / -20+80 °C. Complete with inox pocket G1/2". Temperature limits as per scale indication. Accuracy class cl. 1.0 **Compliant with EN 13190**