



PRESSURE GAUGE CASE FOR EXTREME CONDITIONS THPI 150 with/without electric heating; T_{min} -80°C

DESCRIPTION:

- case material aluminium /dural
- connection material: stainless steel 17 248/1.4541
 - acrylate / argon double glass inspection hole
 - insulation: pyrogel
 - passive heating by medium
- active heating by electric heating cable 15/30W, individual
- bushing for el. contacts or signal

APPLICATION:

- heating management
 - air-conditioning
 - gas industry
- power engineering
- chemical industry
 - food industry

TECHNICAL PARAMETERS:

- for pressure gauges D100mm
- connection thread - M20x1,5, G1/2, 1/2NPT
 - environment T_{min} up to -90°C
- heating power supply 230V AC / 24V DC, individual

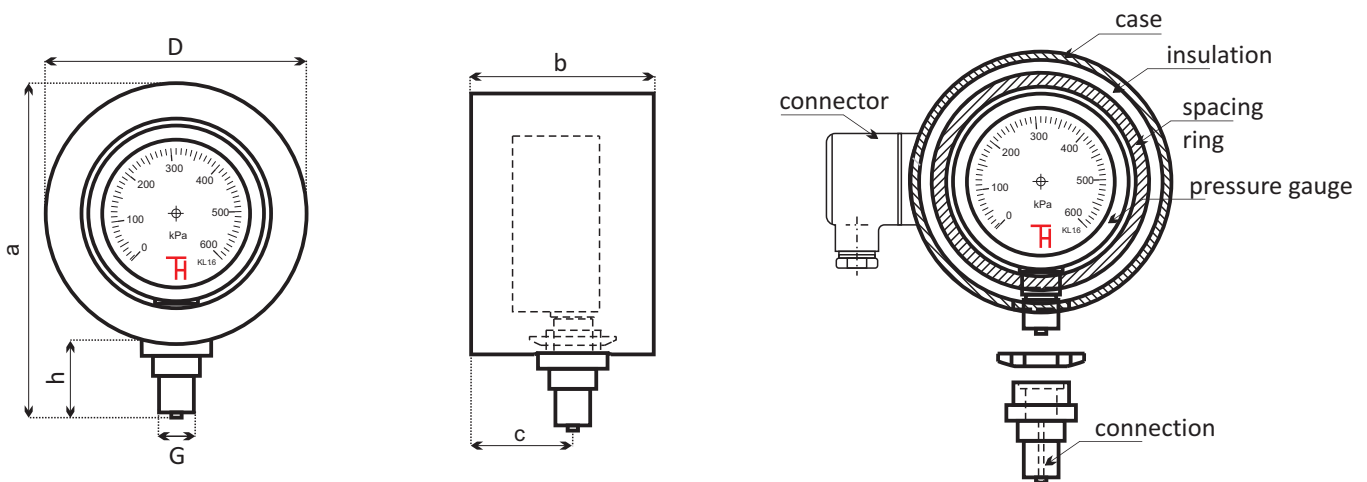
SPECIFICATION:

Protection cases into extreme conditions are designed for protection of pressure gauges mainly against very low temperatures and other adverse conditions. Case is made of robust aluminium-dural component. Attachment connection including thread is made of stainless steel 17 248/1.4541. Default inspection hole made of acrylate, on request it may also be supplied with argon double glass. Pyrogel serves as a very efficient primary insulation, thickness 10mm (it is equivalent to approx. 20cm of polystyren insulation). Thanks to the elaborated construction, minimum temperature bridges and very efficient insulation the case does not require active heating. The inner area is heated up passively by means of measured medium. In case of insufficient heating, the case may be equipped with active heating of standard output 15/30W. The case is made for heavy-duty design of pressure gauge, diam. 100mm. Wide options of customization: connections, size, pass-through connector for contact pressure gauges, etc.

Type	THPI 150
Case	aluminium / dural
Inspection hole	acrylate / argon glass
Connection	stainless steel 17 248/1.4541
Thread	M20x1,5, G1/2, 1/2NPT
Heating	passive / active by el. heating cable 15/30W / individual
Heating p. supply	230V AC / 24V DC, individual
Min. environ. temp.	-90°C

Insulation characteristics		
Environment temperature °C	Heating element output 15W	Heating element output 30W
	Temperature inside the case °C	Temperature inside the case °C
-30	15,9	21,2
-40	10,2	15,9
-50	4,1	11,3
-60	-0,6	9
-70	-4,6	5,7
-80	-11,5	4,9

- THPI 150



Dimensions in mm						
Type	a	b	c	D	h	G
THPI 150	195	105	60	150	45	M20x1,5, G1/2, 1/2NPT