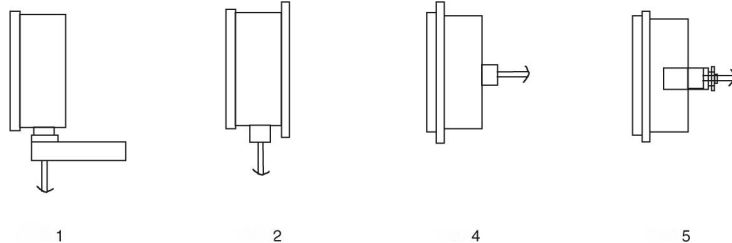


Remote inert gas thermometers Series RIC250

These gauges are particularly suitable in the food and pharmaceutical industry, since no mercury is present. They are completely in stainless steel and can be mounted without restrictions of use. RIC250 thermometers are also available in the ATEX version in compliance with the ATEX 94/9 / EC directive.

Mounting



1 Wall with bracket; bottom output.
2 Wall with 3 holes flange; bottom output

4 Panel with 3 holes flange; back output
5 Panel with U clamp; back output



Design Features

DIAL SIZE (DS):	mm 80 – 100 – 150 – 200.		
CASE AND RING:	AISI 304 stainless steel with bayonet clutch.		
SENSITIVE ELEMENT:	inert gas system.		
PROCESS CONNECTION:	G 1/2" A threaded sliding male.		
BULB:	in stainless steel AISI 316 - Ø 11 (12) mm	Cylindrical with rigid extension – length upon request.	Cylindrical with flexible extension.
CAPILLARY:	AISI 316 stainless steel; 1 metre length.		
MOVEMENT:	AISI 304 stainless steel.		
POINTER:	black anodized aluminium; zero adjustment		
WINDOW:	glass 3 mm thick		
WINDOW GASKET:	nitrile rubber NBR		
DIAL:	white aluminium with black scale and graduation;	range of measure indicated from two ▼	
ACCURACY:	Class 1 according to EN 13190 in the range of measure		

Range

Range [°C]	Scale Interval [°C]	Range [°C]	Scale Interval [°C]	Range [°C]	Scale Interval [°C]	Range [°C]	Scale Interval [°C]
-50 / 50	2	-20 / 60	1	0 / 60	1	0 / 250	5
-40 / 40	1	-20 / 80	2	0 / 80	1	0 / 300	5
-40 / 60	2	-20 / 140	2	0 / 100	2	0 / 400	10
-30 / 50	1	-20 / 180	5	0 / 120	2	0 / 500	10
-30 / 70	2	-10 / 50	1	0 / 160	2	0 / 600	10
-20 / 40	1	-10 / 110	2	0 / 200	5		

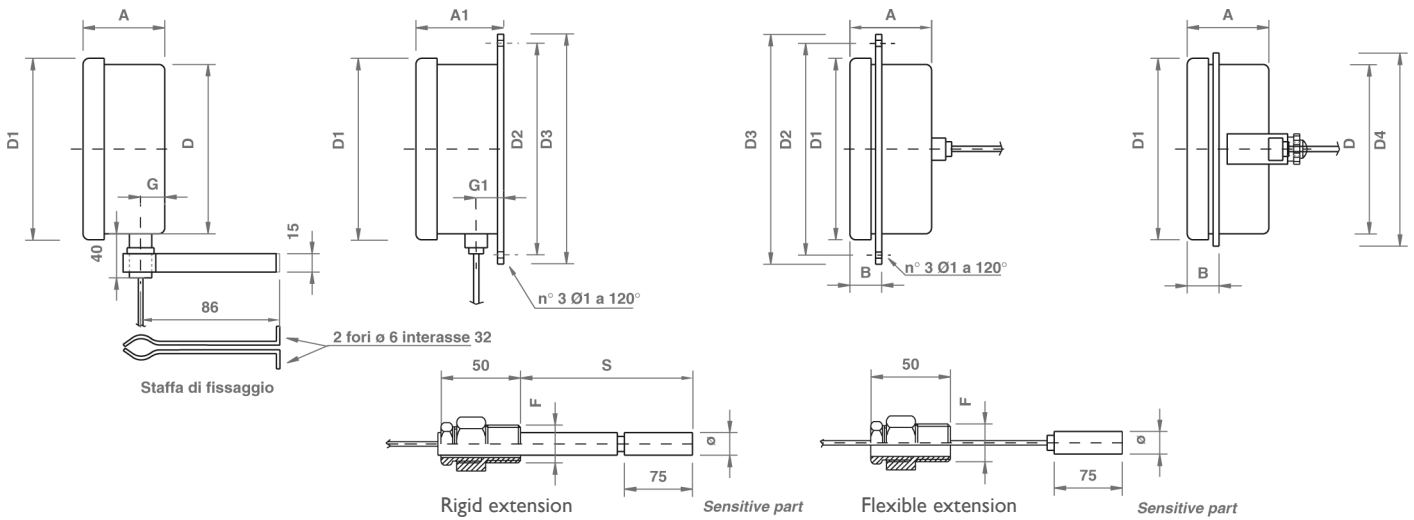
Technical characteristics

AMBIENT TEMPERATURE:	-30 ÷ 65 °C	
OVER TEMPERATURE:	20% F.S.V. up to 160°C	10% F.S.V. over
MAX WORKING PRESSURE:	25 bar (without thermowell)	
DEGREE OF PROTECTION:	IP 55 according to EN 60529	

Options and Accessories

- BULB: Ø 8 mm (length of sensitive part 100 mm)
Ø 6 mm (length of sensitive part 150 mm)
- SPIRAL BULB (external Ø 18 mm – length of sensitive part 100 mm)
- EXTENSION OF CAPILLARY LENGTH
- CAPILLARY COATING WITH FLEXIBLE SHEATH IN AISI 304.
- ANGULAR TRANSDUCERS OUTPUT 0/4 – 20 mA (DN 150)
- ELECTRIC OR INDUCTIVE CONTACTS (For DN 100 – 150)
- THERMOWELLS
- EXECUTION WITH EDGWISE CASE (96 x 96 – 144 x 144)
- WINDOW IN PLEXIGLASS
- MAX / MIN / MIN & MAX DRAGGING POINTERS (DS 100-150-200)
- FILLING LIQUID: Glycerol (Tamb. 5÷65 °C) or silicone oil (Tamb. -30÷80 °C)
- PROCESS CONNECTION:
Turning and sliding male thread G 3/4"-G1" and 1/2"- 3/4"-1" NPT
Turning and sliding female thread G 1/2"-G3/4"

Dimensions (mm) and Weights (Kg)



The 'S' dimension must be determined so that the sensitive part of the bulb is completely immersed in the process fluid.

DIAL SIZE	D	D1	D2	D3	D4	Ø1	A	A1	B	F	G	G1	Ø	Ø Panel drilling	With electric contacts A _{max}	Weight
80	79	88	95	106	90	4,5	40	44	20	1/2"	10	15	11	83	-	0,3
100	101	114	116	132	115	5	54	58	25	1/2"	18	22	11	105	83	0,4
150	149	162	178	195	162	6	54	58	25	1/2"	18	22	11	153	83	0,7
200	189	208	216	237	208	6	55	63	25	1/2"	18	23	11	194	-	0,9

How to order

When ordering pls. specify:

Model, Mounting, Dial, Range, Pressure connection, Bulb length, Capillary, Option and accessories

Example: RIC250 | DN 100 0/100 °C sliding male G 1/2" G 1/2" 100 mm 4 mt Filling liquid