

These instruments are designed for cyclical process records or process controls in food, petrochemical, chemical and pharmaceutical industries. The RP series are studied for withstanding to the most adverse conditions that might happen due to the aggressiveness of the measured fluid and to the environment.



STANDARD PRESSURES AND TEMPERATURES

PRESSURE SCALE RANGES BAR			
0-1	0-10	0-100	0-600
0-1,6	0-16	0-160	0-1000
0-2,5	0-25	0-250	0-1600
0-4	0-40	0-300	0-1000
0-6	0-60	0-400	0-1600

PRESSURE SCALE RANGES PSI			
0-60	0-400	0-1600	0-6000
0-100	0-500	0-2000	0-10000
0-200	0-600	0-3000	0-15000
0-300	0-1000	0-5000	

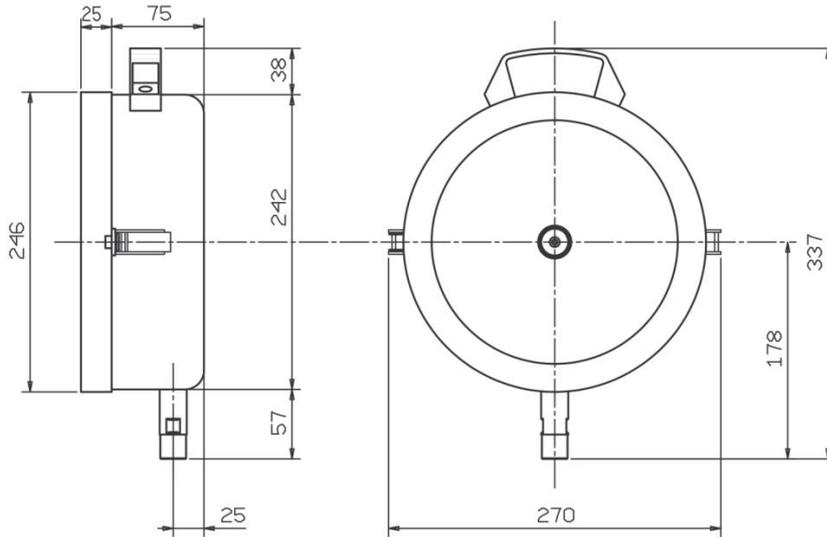
TEMPERATURE SCALE RANGES °C			
-50+50	0+60	0+160	0+300
-40+40	0+100	0-200	0+400
-30+30	0+120	0+250	0+600

TEMPERATURE – PRESSURE SCALE RANGES BAR		
0-60 / 0-100	0-100 / 0-300	-20+40 / 0+300
0-60 / 0-600	0-100 / 0-500	-20+40 / 0+600
0-100 / 0-40	0-100 / 0-600	-10+50 / 0-600
0-100 / 0-200	0+100 / 0+1000	-10+50 / 0+400
0-100 / 0-250	-20+40 / 0+40	-20+60 / 0+160

TEMPERATURE –PRESSURE SCALE RANGES PSI		
0-60 / 0-100	0-100 / 0-1000	-20+40 / 0+600
0-60 / 0-600	0-100 / 0-3000	-20+40 / 0-10000
0-100 / 0-40	0-100 / 0-5000	-10+50 / 0-600
0-100 / 0-200	0-100 / 0-8000	-10+50 / 0+400
0-100 / 0-250	0-100 / 0-10000	-20+300 / 0-500
0-100 / 0-300	0-100 / 0-15000	-20+300 / 0-3000
0-100 / 0-500	-20+40 / 0+40	-20+300 / 0-6000
0-100 / 0-600	-20+40 / 0+300	

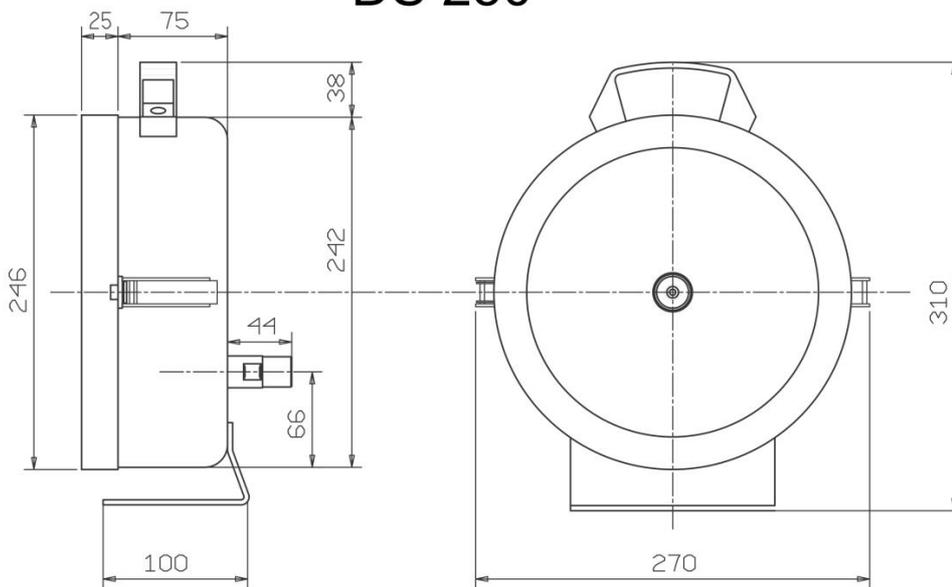
BOTTOM CONNECTION

DS 250



BACK CONNECTION WITH TABLE STAND

DS 250



CONSTRUCTION FEATURES

TEMPERATURE

Measure Element: Bourdon spring thermally treated

Capillary Type: 316 st.st. - 2,5 mm thickness, available 304 st.st., protective coating on request

Bulb Options: 316 st.st. Ø std. 11 mm. Sensing Part 100 mm

Connections: Compression gland 1/2 BSP M. AISI 316 st.st. sliding on the capillary, available 1/2 NPT on request

PRESSURE

Measure element: Bourdon spring 316 AISI st.st. or phosphor bronze bellows

Pressure Scale: Pressure scales available from 1,6 Bar up to 2000 Bar, available PSI scales

Process connection: Bottom or back 1/2 BSP M. available NPT connection. Wetted parts AISI 316 st.st.

TECHNICAL SPECIFICATION

Pressure accuracy: +/- 1% of the full-scale value

Temperature accuracy: Cl.1 according to EN13190

Ambient Temperature: -20°C + 50°C

Clockwork: Spring-loaded mechanical, single or double speedy, battery with quartz movement. Available also electric.

Chart: Disc of 200 mm (8 ") with linear divisions, compatible with the most Italian producers

Window: Toughened glass 4 mm thick

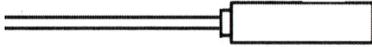
Writing System: Synthetic fibre pen ink-filled and easy to replace with an autonomous writing of 150 m

Case: AISI 304 st.st., 1.5 mm thickness, high weatherproof and industrial smokes-resistant, equipped with the handle to facilitate the transport. Lock key on request.

Connection: Bottom connection/ direct mounting or back connection with table stand. Available flush mounting on request.

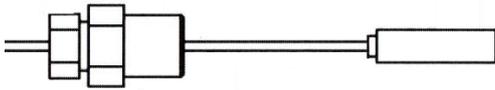
BULB TYPES

Type 1



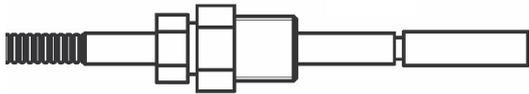
Bare bulb fitted directly to the process.

Type 2



Bulb with compression connection sliding on the capillary.

Type 3



Bulb with compression connection sliding on rigid shank.

It's necessary a thermowell connection to the systems with pressures exceeding 20 BAR.

AVAILABLE CLOCKWORK

ROTATIONS	1 PEN	2 PENS
Battery 7 days	√	√
Battery 24 hours	√	√
Mechanical 31 days	√	X
Mechanical 7 days	√	√
Mechanical 48 h	√	√
Mechanical 24 h	√	√
Mechanical 12 h	√	√
Mechanical 6 h	√	√
Mechanical 2 h	√	√
Mechanical 1 h	√	√
Mechanical 2 h - 8 h	√	X
Mechanical 24 h -168 h	√	X