GAUGEMET

PRODUCT CATALOGUE 2026

Pressure gauges and thermometers

Bourdon tube, capsule and diaphragm gauges.
Bimetal, glass, capillary and gas-filled thermometers.



www.gaugemet.com





Pressure gauge with plastic case

Designed to monitor pressure in systems not subjected to vibrations. Suitable for all gaseous and liquid media that will not obstruct the pressure system or attack copper alloy parts.
Especially designed for pneumatic circuits, filters, pressure regulators...

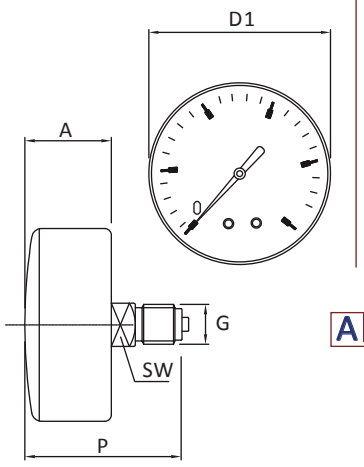
Application:

- **Compressed air**
- **Compressor**
- **Air conditioning**
- **Hydraulics**
- **Pneumatic**

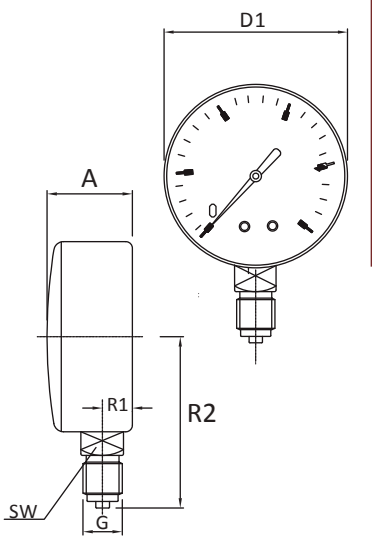
STANDARD PARAMETERS
Closing: Adjusted display
Mounting: See attached diagram **A** or **B**
Threaded connection: **Ø40**: 1/8"BSPT; **Ø50-Ø63**: ¼"BSPT
IP protection: IP44
Accuracy: Class 2.5
Pressure limits:
Static: ¾ end of scale
Oscillating : ⅔ end of scale
Maximum: Full scale for a short period of time
Temperature limits:
Environment: -40+60°C
Fluid: 60°C
Pressure range: **-1...0...25** Bar
Scale: Bar/Psi
Sensor: Bourdon tube ("C" form)
Position pointer: Red pointer (only for ranges 0+4/0+6/0+12)

MATERIALS
Case: Polyethylene
Bourdon tube and moving parts: Copper alloy
Threaded connection: Brass
Display: Acrylic
Dial: White laquered aluminum
Pointer: Black laquered aluminum
Welding: Cu-Sn
Red pointer: Red Plastic

B Back



A Bottom



DIMENSIONS (mm)									WEIGHT (g)
DN	**Mounting**	**R1**	**A**	**D1**	**G**	**R2**	**SW**	**P**	
Ø40	A	8	25	40	1/8" BSPT	37	11	-	40
Ø40	B	-	25	40	1/8" BSPT	-	11	39	45
Ø50	A	8	27	53	¼" BSPT	37	11	-	57
Ø50	B	-	27	53	¼" BSPT	-	11	47	73
Ø63	A	8	27	63	¼" BSPT	37	11	-	65
Ø63	B	-	27	63	¼" BSPT	-	11	47	79



Pressure gauge with case in carbon steel

Designed to monitor pressure in systems not subjected to vibrations. Suitable for all gaseous and liquid media that will not obstruct the pressure system or attack copper alloy parts.
Especially designed for pneumatic and hydraulic circuits.

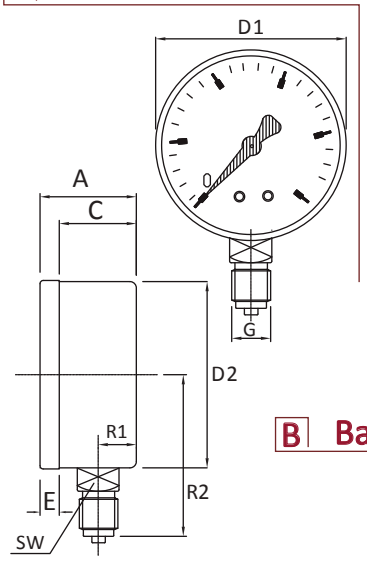
Application:

- Compressed air
- Compressor
- Air conditioning
- Hydraulics
- Pneumatics

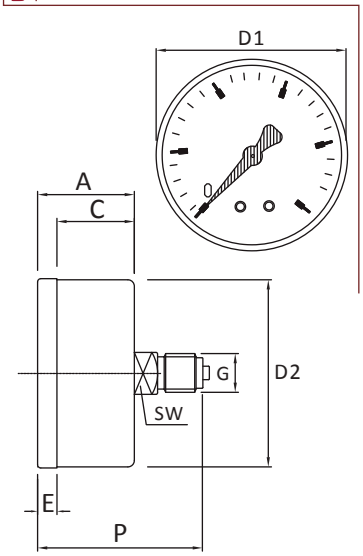
STANDARD PARAMETERS
Closing: Adjusted
Mounting: See attached diagram **A** or **B**
Threaded connection: **Ø63**: ¼"BSP; **Ø75**: ⅜"BSP; **Ø100**: ½"BSP; Or NPT
IP protection: IP54
Accuracy: **Ø63-Ø75**: Class 2.5 / **Ø100**: Class 1.6
Pressure limits:
Static: ¾ end of scale
Oscillating: ⅔ end of scale
Maximum: Full scale for a short period of time
Temperature limits:
Environment: -40+80°C
Fluid: 80°C
Range: **-1...0...600** Bar
Scale: Bar/Psi
Sensor element: Bourdon tube (<60 Bar: "C" form; >60 Bar: helical)

MATERIALS
Case: Carbon steel painted in black
Bourdon tube and moving parts: Copper Alloy
Threaded connection: Brass
Display: Glass
Dial: White laquered aluminum
Pointer: Black laquered aluminum
Welding: P<250 Bar: Cu-Sn; P>250 Bar: Cu-Ag

A Bottom



B Back



DIMENSIONS (mm)												WEIGHT(g)
DN	Mounting	R1	A	C	D1	E	D2	G	R2	SW	P	
Ø63	A	10	28	17	40	10	62	¼"BSP	51	14	-	110
Ø63	B	-	28	17	40	10	62	¼"BSP	-	14	46	122
Ø75	A	10	30	19	53	11	74	⅜" BSP	60	17	-	165
Ø75	B	-	30	19	53	11	74	⅜" BSP	-	17	55	170
Ø100	A	16	45	23	63	22	98	½"BSP	83	17	-	383
Ø100	B	-	45	23	63	22	98	½"BSP	-	17	75	405





Pressure gauge in stainless steel with sealed ring

Especially designed for difficult operating conditions like vibrations or rapid pressure changes. Suitable for use in systems with low viscosity that do not attack copper alloys such as cooling systems.

Application:

- **Ship supplies**
- **Irrigation systems**
- **Air conditioning**
- **Food industry**
- **Pneumatics**
- **Hydraulics**

STANDARD PARAMETERS

Closing: Sealed ring

Mounting: See attached diagram **A** , **B**, **C** or **D**

Threaded connection: **Ø63**: ¼"BSP; **Ø80**: ⅜"BSP; **Ø100**: ½"BSP; Or NPT

IP protection: IP65

Accuracy: Class 1.6

Pressure limits:

- Static: ¾ end of scale
- Oscillating: ⅔ end of scale
- Maximum: Full scale for a short period of time

Temperature limits:

- Environment: -20+50°C
- Fluid: Brass connection: 80°C / Steel connection: 100°C

Range: **-1...0...1000** Bar

Scale: **Bar/Psi, Bar** or **cmHg**

Antivibration fluid: Glycerine 99.8%

Sensor: Bourdon tube (<60 Bar: "C" form; >60 Bar: helical)

Overtemperature relief system: Upper plug

MATERIALS

Case: AISI 304 Stainless steel

Bourdon tube and moving parts: **Copper Alloy** or **AISI 316 Stainless steel**

Threaded connection: **Brass** or **AISI 316 Stainless steel**

Display: Polycarbonate

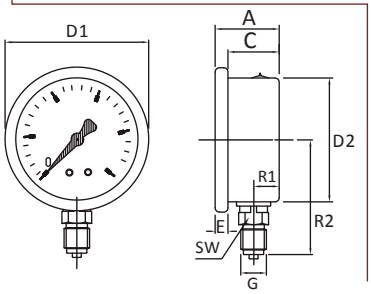
Dial: White laquered aluminum

Pointer: Black laquered aluminum

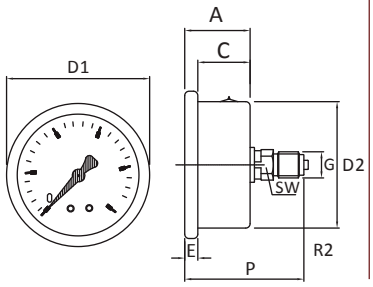
Welding: **P**<250 Bar: Cu-Sn; P>250 Bar: Cu-Ag / TIG Welding

Overtemperature relief plug: Neoprene

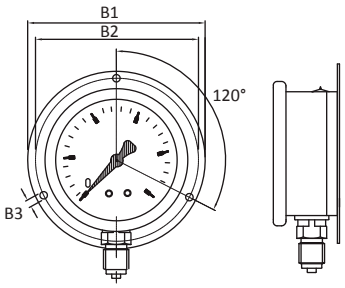
A Bottom



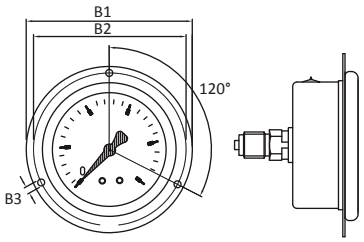
B Back



C Bottom with back flange



D Back with frontal flange



DIMENSIONS (mm)															WEIGHT (g)
DN	Mounting	R1	A	C	D1	E	D2	G	R2	SW	P	B1	B2	B3	
Ø63	A/C	10	29	23	68	6	61	¼ BSP	56	14	-	86	80	3,5	188
Ø63	B/D	-	29	23	68	7	61	¼ BSP	-	14	58	86	80	3,5	184
Ø80	A/C	10	30	22	88	8	80	⅜ BSP	60	17	-	112	104	5	335
Ø80	B/D	-	30	22	88	8	80	⅜ BSP	-	17	61	112	104	5	299
Ø100	A/C	16	37	29	109	8	99	½" BSP	83	21	-	132	124	5	550
Ø100	B/D	-	37	29	109	8	99	½" BSP	-	21	77	132	124	5	547



Pressure gauge in stainless steel with bayonet closing

Suitable for all gaseous and liquid media that will not obstruct the pressure system or attack copper alloy parts.
Especially designed for difficult conditions of use, as there are vibrations or quick

Application:

- **Ship supplies**
- **Irrigation systems**
- **Air conditioning**
- **Food industry**
- **Pneumatics**
- **Hydraulics**

STANDARD PARAMETERS

Closing: Bayonet

Mounting: See attached diagram **A** , **B**, **C** or **D**

Threaded connection: **Ø63**: ¼"BSP; **Ø100-Ø150**: ½"BSP; Or NPT

IP protection: IP65

Accuracy: **Ø63**: Class 1.6; **Ø100-Ø150**: Class 1.0

Pressure limits:

- Static: Full scale
- Oscillating: 0.9 end of scale
- Maximum: 1.3 end of scale for a short period of time

Temperature limits:

- Environment: -20+50°C (Glycerine) / -20+80°C (dry)
- Fluid: Brass connection: 80°C / Steel connection: 100°C (Glycerine), 200°C (dry)

Range: **-1...0...1000** Bar

Scale: **Bar/Psi, Bar** or **cmHg**

Antivibration fluid: **Glycerine 99.8%** or **dry**

Pointer: Micrometric adjustment

Sensor element: Bourdon tube (<60 Bar: "C" form; >60 Bar: helical)

Pressure relief system: Blow-out disc

Overtemperature relief system: Upper plug

MATERIALS

Case: AISI 304 Stainless steel

Bourdon tube and moving parts: **Copper Alloy** or **AISI 316 Stainless steel**

Threaded connection: **Brass** or **AISI 316 Stainless steel**

Display: Safety glass

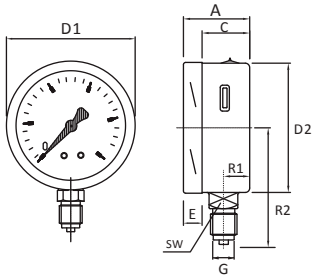
Dial: White laquered aluminum

Pointer: Black laquered aluminum

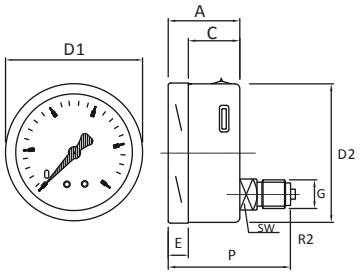
Welding: P<250 Bar: Cu-Sn; P>250 Bar: Cu-Ag / TIG Welding

Blow-out disc and overtemperature relief plug: Neoprene

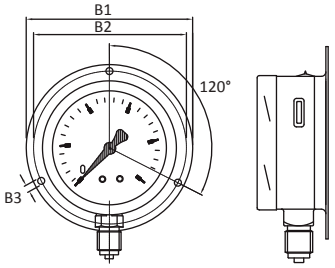
A Bottom



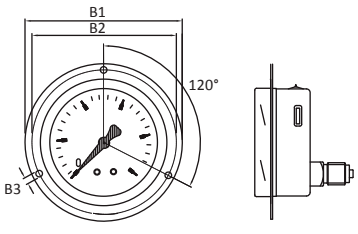
B Back



C Bottom with back flange



D Back with frontal flange



DIMENSIONS (mm)															WEIGHT (g)	
DN	Mounting	R1	A	C	D1	E	D2	G	R2	SW	P	B1	B2	B3	Without Glycerine	With Glycerine
Ø63	A/C	10	34	22	64	12	62	¼ BSP	55	14	-	86	80	3,5	158	230
Ø63	B/D	-	34	22	64	12	62	¼ BSP	-	14	56	86	80	3,5	157	228
Ø100	A/C	16	49	32	101	17	99	½" BSP	83	22	-	132	124	5	533	867
Ø100	B/D	-	49	32	101	17	99	½" BSP	-	22	86	132	124	5	550	890
Ø150	A/C	16	50	32	149	18	146	½" BSP	113	22	-	192	184	5	950	1712
Ø150	B/D	-	50	32	149	18	146	½" BSP	-	22	87	192	184	5	824	1750



Capsule pressure gauge with black steel case

Capsule pressure gauges with elastic element and moving parts in copper alloy

Especially suitable for gaseous media not subjected to vibrations with a maximum temperature not higher than 100ºC.

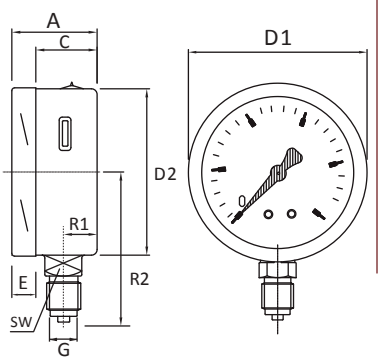
Application:

- **Gas facilities**
- **Low pressure**

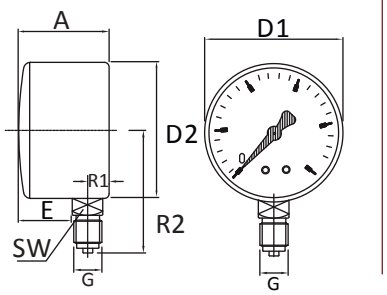
STANDARD PARAMETERS
Closing: Bayonet
Mounting: See attached diagram **A**
Threaded connection: **Ø63**: ¼"BSP; **Ø100**: ½"BSP; Or NPT
IP protection: IP43
Accuracy: **Ø63**: Class 1.6 / **Ø100**: Class 1.0
Pressure limits:
Static: Full scale
Oscillating: 0.9 end of scale
Maximum: Full scale
Temperature limits:
Environment: -40+80°C
Fluid: 100°C
Range: **0...600** mbar
Scale: mbar
Sensor element: Capsule
Pointer: Micrometric adjustment

MATERIALS
Case: Carbon steel painted in black
Capsule and moving parts: Copper Alloy
Threaded connection: Brass
Display: **Ø63**: Acrylic (Adjusted closing)/ **Ø100**: Glass (Bayonet closing)
Dial: White laquered aluminum
Pointer: Black laquered aluminum
Welding: Cu-Sn

A Bottom Ø100



A Bottom Ø63



DIMENSIONS (mm)											WEIGHT (g)
DN	**Mounting**	**R1**	**A**	**C**	**D1**	**E**	**D2**	**G**	**R2**	**SW**	
Ø63	A	11	38	-	66	22	66	¼ BSP	57	14	214
Ø100	A	16	49	32	101	17	99	½" BSP	83	22	559



Capsule pressure gauge with zincked steel case

Capsule pressure gauges with elastic element and moving parts in copper alloy

Especially suitable for gaseous media not subjected to vibrations with a maximum temperature not higher than 100ºC.

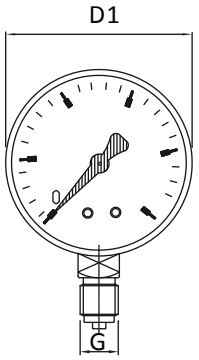
Application:

- Gas facilities
- Low pressure

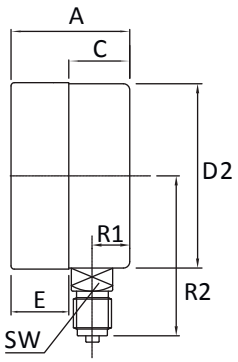
STANDARD PARAMETERS
Closing: Ring screwed to case
Mounting: See attached diagram **A**
Threaded connection: **Ø63**: ¼"BSP; **Ø100**: ½"BSP; Or NPT
IP protection: IP44
Accuracy: Class 1.6
Pressure limits:
Static: Full scale
Oscillating: 0.9 end of scale
Maximum: Full scale
Temperature limits:
Environment: -40+80°C
Fluid: 100°C
Range: **0...2000** mbar
Scale: mbar
Sensor element: Capsule

MATERIALS
Case: Zincked carbon steel with screwed closing
Capsule and moving parts: Copper Alloy
Threaded connection: Brass
Display: Glass
Dial: White laquered aluminum
Pointer: Black laquered aluminum
Welding: Cu-Sn

A Bottom



DIMENSIONS (mm)											WEIGHT (g)
DN	Mounting	R1	A	C	D1	E	D2	G	R2	SW	
Ø63	A	12	38	16	64	22	62	¼ BSP	59	11	198
Ø100	A	15	64	26	107	38	105	½" BSP	90	22	738





Capsule pressure gauge with stainless steel case

Capsule pressure gauges with elastic element and moving parts in copper alloy

Especially suitable for gaseous media not subjected to vibrations with a maximum temperature not higher than 100ºC.

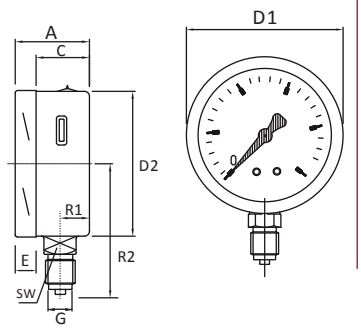
Application:

- **Gas facilities**
- **Low pressure**

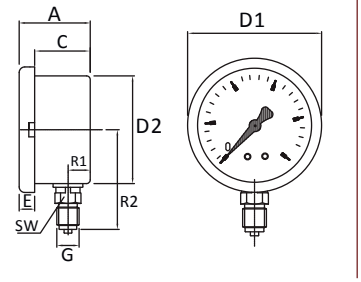
STANDARD PARAMETERS
Closing: Bayonet
Mounting: See attached diagram **A**
Threaded connection: **Ø63**: ¼"BSP; **Ø100**: ½"BSP; Or NPT
IP protection: IP65
Accuracy: **Ø63**: Class 1.6 / **Ø100**: Class 1.0
Pressure limits:
Static: Full scale
Oscillating: 0.9 end of scale
Maximum: Full scale
Temperature limits:
Environment: -40+80°C
Fluid: 100°C
Range: **0...600** mbar
Scale: mbar
Sensor element: Capsule
Pointer: Micrometric adjustment

MATERIALS
Case: AISI 304 Stainless steel with bayonet closing
Capsule and moving parts: Copper Alloy
Threaded connection: Brass
Display: Safety glass
Dial: White laquered aluminum
Pointer: Black laquered aluminum
Welding: Cu-Sn

A Bottom Ø100



A Bottom Ø63



DIMENSIONS (mm)											WEIGHT (g)
DN	**Mounting**	**R1**	**A**	**C**	**D1**	**E**	**D2**	**G**	**R2**	**SW**	
Ø63	A	10	37	27	74	10	66	¼ BSP	55	14	199
Ø100	A	16	49	32	101	17	99	½" BSP	83	22	545



Pressure gauge for refrigeration systems with case in carbon steel

Designed for refrigeration systems. Suitable for all liquid media that will not attack copper alloy parts.

Useful for systems where the gauge is not subjected to vibrations.

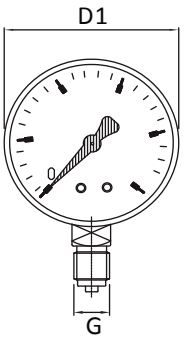
Application:

- **Refrigeration**
- **Air conditioning**
- **Food industry**

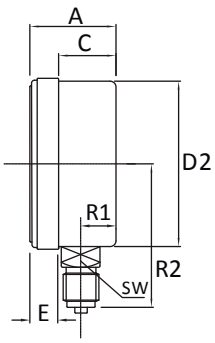
STANDARD PARAMETERS
Closing: Threaded Display
Mounting: Direct: free standing on the bottom connection
Threaded connection: **Ø63**: 7/16"SAE; **Ø100**: 1/2"BSP; Or NPT
IP protection: IP43
Accuracy: Class 1.6
Pressure limits:
Static: ¾ end of scale
Oscillating: ⅔ end of scale
Maximum: Full scale for a short period of time
Temperature limits:
Environment: -40+80°C
Fluid: 80°C
Range: **-1+12** or **-1+24** Bar
Scale: Bar/R22/R404a/R507
Sensor element: Bourdon tube ("C" form)

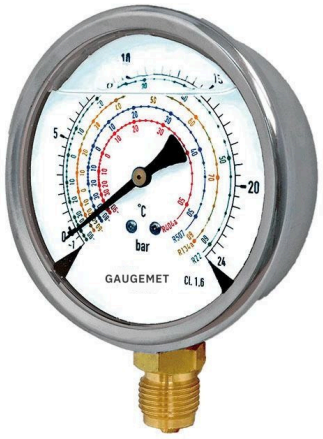
MATERIALS
Case: Carbon steel blue (-1+12 bar) or red (-1+24 bar)
Bourdon tube and moving parts: Cu Alloy
Threaded connection: Brass
Display and ring: Acrylic. Display and ring are a single piece threadable to the case
Dial: White laquered aluminum
Pointer: Black laquered aluminum
Welding: Cu-Sn

A Bottom



DIMENSIONS (mm)											WEIGHT (g)
DN	**Mounting**	**R1**	**A**	**C**	**D1**	**E**	**D2**	**G**	**R2**	**SW**	
Ø63	A	11	30	19	72	11	68	⅛ BSPT	55	14	121
Ø100	A	11	37	25	103	12	99	¼ BSPT	80	14	241





Pressure gauge for refrigeration systems with case in stainless steel

Suitable for all gaseous and liquid media that will not obstruct the pressure system or attack copper alloy parts.
Especially designed for difficult conditions of use, as there are vibrations or quick changes of pressure.

Application:

- **Refrigeration**
- **Air conditioning**
- **Food industry**

STANDARD PARAMETERS

Closing: Sealed ring
Mounting: See attached diagrams **A** , **B**, **C** or **D**
Threaded connection: **Ø63**: ¼"BSP; **Ø100**: ½"BSP; Or NPT
IP protection: IP65
Accuracy: Class 1.6
Pressure limits:
- Static: ¾ end of scale
- Oscillating: ⅔ end of scale
- Maximum: Full scale for a short period of time

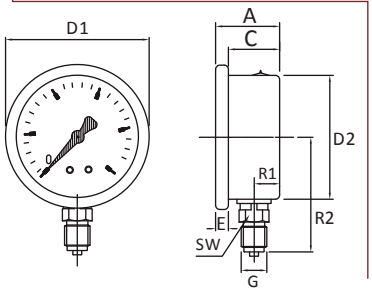
Temperature limits:
- Environment: -20+50°C
- Fluid: 80°C

Range: **-1+12** or **-1+24** Bar
Scale: Bar/R22/R134a/R404a/R507
Antivibration fluid: Glycerine 99.8%
Sensor element: Bourdon tube ("C" form)
Overtemperature relief system: Upper plug

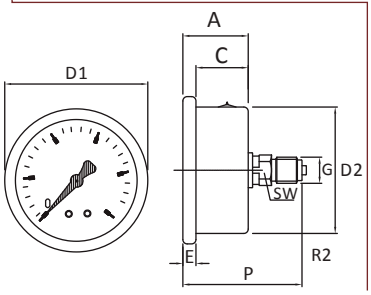
MATERIALS

Case and ring: AISI 304 Stainless steel
Bourdon tube and moving parts: Cu Alloy
Threaded connection: Brass
Visor: Polycarbonate
Dial: White laquered aluminum
Pointer: Black laquered aluminum
Welding: Cu-Sn
Overtemperature relief plug: Neoprene

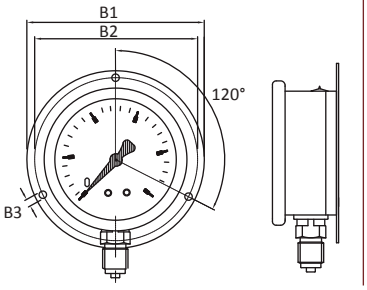
A Bottom



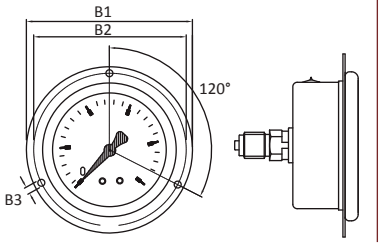
B Back



C Bottom with back flange



D Back with frontal flange



DIMENSIONS (mm)															WEIGHT (g)
DN	Mounting	R1	A	C	D1	E	D2	G	R2	SW	P	B1	B2	B3	
Ø63	A/C	10	29	23	68	6	61	¼ BSP	56	14	-	86	80	3,5	180
Ø63	B/D	-	29	23	68	6	61	¼ BSP	56	14	58	86	80	3,5	180
Ø100	A/C	12	37	29	109	8	99	½"BSP	87	21	-	132	124	5	607
Ø100	B/D	-	37	29	109	8	99	½"BSP	87	21	77	132	124	5	607



All stainless steel pressure gauge for refrigeration systems

Suitable for all gaseous and liquid media that will not obstruct the pressure system or attack copper alloy parts.

Especially designed for heavy duty conditions like vibrations or quick pressure changes.

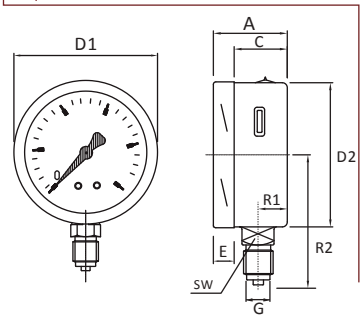
Application:

- **Refrigeration**
- **Air conditioning**
- **Food industry**

STANDARD PARAMETERS
Closing: Bayonet
Mounting: See attached diagrams **A** or **B**
Threaded connection: **½"BSP** or **¼"SAE**
IP protection: IP65
Accuracy: Class 1.0
Pressure limits:
Static: ¾ end of scale
Oscillating: ⅔ end of scale
Maximum: Full scale for a short period of time
Temperature limits:
Environment: -40+80°C
Fluid: 80°C
Range: **-1+12** or **-1+24** Bar
Scale: Bar/R22/R134a/R404a/R507
Antivibration fluid: **Glycerine 99.8%** or **dry**
Sensor element: Bourdon tube ("C" form)
Overtemperature relief system: Upper plug

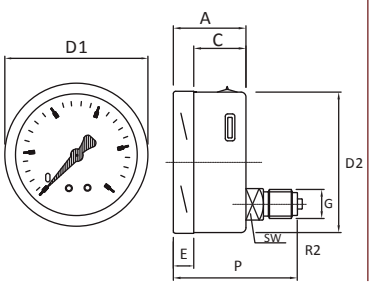
MATERIALS
Case: AISI 304 Stainless steel
Bourdon tube and moving parts: AISI 316 Stainless steel
Threaded connection: AISI 316 Stainless steel
Display: Safety glass
Dial: White laquered aluminum
Pointer: Black laquered aluminum
Welding: TIG welding
Overtemperature relief plug: Neoprene

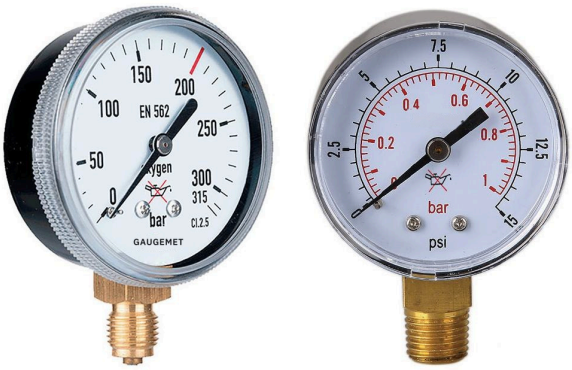
A Bottom



DIMENSIONS (mm)											WEIGHT (g)
DN	**Mounting**	**R1**	**A**	**C**	**D1**	**E**	**D2**	**G**	**R2**	**SW**	
Ø100	**A**	16	49	32	101	17	99	½" BSP	83	22	575
Ø100	**B**	-	49	32	101	17	99	½" BSP	83	22	536

B Back





Pressure gauge for welding

Bourdon type pressure gauges completely ungreased for O_2 and acetylene.
Working temperature is -40+60°C.
Designed for system where fluid temperature does not exceed 60°C

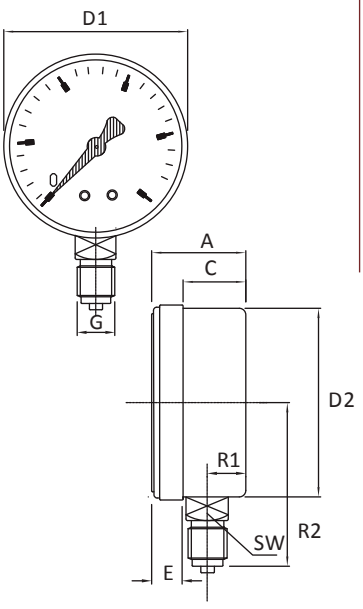
Application:

- **Welding**
- **Oxygen**
- **Acetylene**

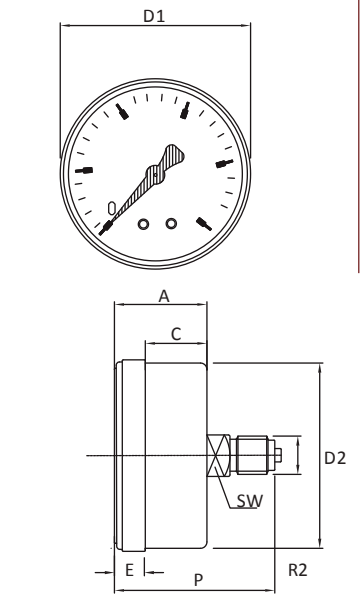
STANDARD PARAMETERS
Closing: Threaded display
Mounting: See attached diagrams **A** or **B**
Threaded connection: **Ø50**: ¼"BSP ; **Ø63**: ¼"BSP; Or NPT
IP protection: IP44
Accuracy: Class 2.5
Pressure limits:
Static: ¾ end of scale
Oscillating: ⅔ end of scale
Maximum: Full scale for a short period of time
Temperature limits:
Environment: -40+60°C
Fluid: 60°C
Range: **0+2.5**; **0+16**; **0+40**; **0+315** Bar
Scale: Bar
Sensor element: Bourdon tube(<60 Bar: Type "C"; >60 Bar: helical)

MATERIALS
Case: Black laquered steel
Bourdon tube and moving parts: Copper Alloy
Threaded connection: Brass
Display and ring: Acrylic. Display and ring are a single piece threadable to the case
Dial: White laquered aluminum
Pointer: Black laquered aluminum
Welding: P<250 Bar: Cu-Sn; P>250 Bar: Cu-Ag

A Bottom



B Back



DIMENSIONS (mm)												WEIGHT (g)
DN	**Mounting**	**R1**	**A**	**C**	**D1**	**E**	**D2**	**G**	**R2**	**SW**	**P**	
Ø50	A	10	28	17	57	12	52	¼ BSP	46	14	-	93
Ø50	B	-	28	17	66	12	52	¼ BSP	-	14	46	98
Ø63	A	10	29	17	57	12	61	¼ BSP	53	14	-	118
Ø63	B	-	29	17	66	12	61	¼ BSP	-	14	46	125



Steel case pressure gauge for ammonia

Suitable for all gaseous and liquid media that will not obstruct the pressure system or attack copper alloy parts. Useful for system that are not submited to strong vibrations.

Especially designed for pneumatics and hydraulics.

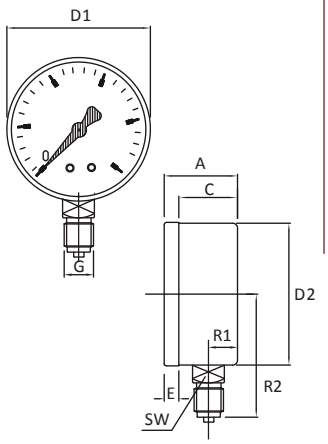
Application:

- **Refrigeration**
- **Air conditioning**
- **Food industry**

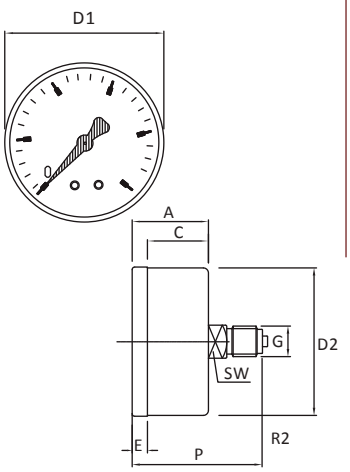
STANDARD PARAMETERS
Closing: Pressure adjusted
Mounting: See attached diagrams **A** or **B**
Threaded connection: ¼"BSP; Or NPT
IP protection: IP44
Accuracy: Class 1.6
Pressure limits:
Static: ¾ end of scale
Oscillating: ⅔ end of scale
Maximum: Full scale for a short period of time
Temperature limits:
Environment: -40+65°C
Fluid: 60°C
Range: **-1+15** or **-1+25** Bar
Scale: Bar/°C for refrigerant R717 (NH_3)
Sensor element: Bourdon tube ("C" form)

MATERIALS
Case: Black laquered steel
Bourdon tube and moving parts: AISI 316 Stainless steel
Threaded connection: AISI 316 Stainless steel
Display: Acrylic
Dial: White laquered aluminum
Pointer: Black laquered aluminum
Welding: TIG welding

A Bottom



B Back



DIMENSIONS (mm)												WEIGHT (g)
DN	Mounting	R1	A	C	D1	E	D2	G	R2	SW	P	
Ø63	A	11	28	18	63	10	62	¼ BSP	52	14	-	122
Ø63	B	-	28	18	63	10	62	¼ BSP	-	14	46	128



All stainless steel pressure gauge for ammonia

Suitable for all gaseous and liquid media that will not obstruct the pressure system or attack copper alloy parts. Especially designed for refrigeration systems and ammonia.

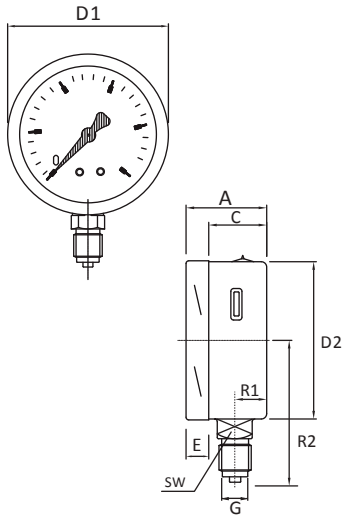
Application:

- **Refrigeration**
- **Air conditioning**
- **Food industry**

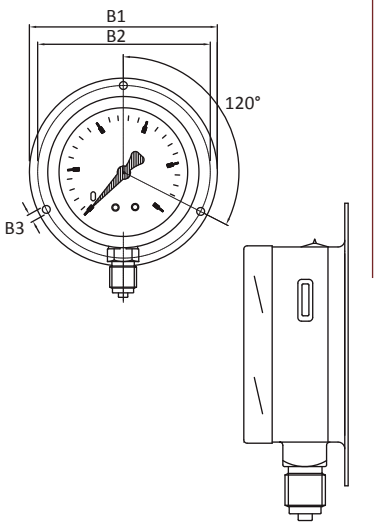
STANDARD PARAMETERS
Closing: Bayonet
Mounting: See attached diagrams A or C
Threaded connection: ½"BSP; Or NPT
IP protection: IP65
Accuracy: Class 1.0
Pressure limits:
Static: ¾ end of scale
Oscillating: ⅔ end of scale
Maximum: Full scale for a short period of time
Temperature limits:
Environment: -40+65°C
Fluid: 60°C
Range: **-1+9, -1+12, -1+15**o **-1+25** Bar
Scale: Bar/ °C for refrigerant R717 (NH_3)
Pointer: Micrometric adjustment
Sensor element: Bourdon tube (<60 Bar: "C" form; >60 Bar: helical)
Pressure relief system: Blow-out disc
Overtemperature relief system: Upper plug

MATERIALS
Case: AISI 304 Stainless steel
Bourdon tube and moving parts: AISI 316 Stainless steel
Threaded connection: AISI 316 Stainless steel
Display: Safety glass
Dial: White laquered aluminum
Pointer: Black laquered aluminum
Welding: TIG welding
Blow-out disc and overtemperature relief plug: Neoprene

A Bottom



C Bottom with back flange



DIMENSIONS (mm)															WEIGHT (g)
DN	Mounting	R1	A	C	D1	E	D2	G	R2	SW	P	B1	B2	B3	
Ø100	A	16	49	32	101	17	99	½" BSP	83	22	-	-	-	-	545
Ø100	C	16	49	32	101	17	99	½" BSP	83	22	86	132	124	5	566



Safety pressure gauge with phenolic case and solid front

The rugged phenolic case gives an excellent resistance to chemical agents, harsh weather and corrosion.

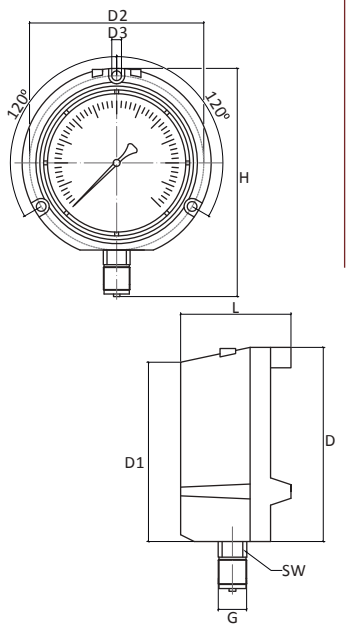
Application:

- **Petrochemistry**
- **Gas facilities**

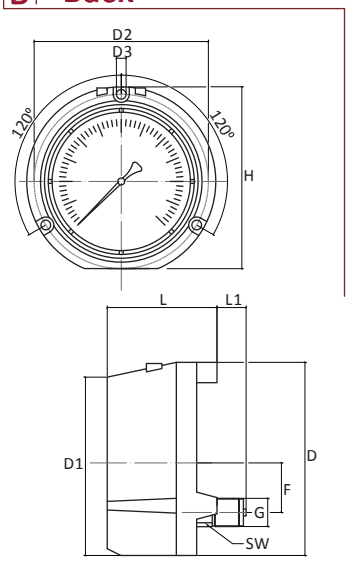
STANDARD PARAMETERS
Closing: Safety closing
Mounting: See attached diagram **A**
Threaded connection: ½"BSP; Or NPT
IP protection: IP55
Accuracy: Class 1.0 (first and last 25% of the scale) / 0.5 (rest of the scale)
Pressure limits:
Static: Full scale
Oscillating: 90% end of scale
Maximum: 130% end of scale for a short period of time
Temperature limits:
Environment: -40+60°C
Fluid: 60°C
Range: **-1...0...1000** Bar
Scale: **Bar** or **Bar/Psi**
Antivibration fluid: **Glycerine 99.8%, silicone oil** or **dry**
Pointer: Micrometric adjustment
Sensor element: Bourdon tube ("C" form)

MATERIALS
Case and ring: Phenolic resin (PBTB) / Polypropylene
Bourdon tube and moving parts: AISI 316 Stainless steel
Threaded connection: AISI 316 Stainless steel
Display: Safety glass
Dial: White laquered aluminum
Pointer: Black laquered aluminum
Welding: TIG welding

A Bottom



B Back



DIMENSIONS (mm)												WEIGHT (g)
DN	Mounting	D	D1	D2	D3	F	H	G	L	L1	SW	
Ø125	A	142.5	127	136.7	7.6	-	179	½"BSP	81	-	22	409
Ø125	B	142.5	127	136.7	7.6	44.5	179	½"BSP	81	30	22	421



Pressure gauges with diaphragm in stainless steel

Pressure gauges with diapraghm in AISI 316 Stainless steel. It is designed for high viscosity or corrosive fluids. Especially suitable for difficult operating conditions due to the existence of vibration or rapid pressure changes. Useful in harsh environments, and ammonia cooling systems.

Application:

- **Cooling**
- **Air conditioning**
- **Food**
- **Treatment Plants**
- **Hydraulic**

STANDARD PARAMETERS

Pressure gauge

Closing: Bayonet

Mounting: See attached diagram **A**

Threaded connection: ½"BSP

IP protection: IP65

Accuracy: Class 1.0

Pressure limits:

- Static: ¾ end of scale
- Oscillating: ⅔ end of scale
- Maximum: Full scale for a short period of time

Temperature limits:

- Environment: -40+65°C
- Fluid: 60°C

Range: **0...25** Bar

Scale: Bar

Antivibration fluid: **Glycerine 99.8%** or **dry**

Pointer: Micrometric adjustment

Sensor element: Bourdon tube ("C" form)

Pressure relief system: Blow-out disc

Overtemperature relief system: Upper plug

Diaphragm

Temperature limit of the transmission liquid: Up to 200°C

MATERIALS

Pressure gauge

Case and ring: AISI 304 Stainless steel

Bourdon tube and moving parts: AISI 316 Stainless steel

Threaded connection: AISI 316 Stainless steel

Display: Safety glass

Dial: White laquered aluminum

Pointer: Black laquered aluminum

Pressure gauge welding: TIG welding

Blow-out disc and overtemperature relief plug: Neoprene

Diaphragm

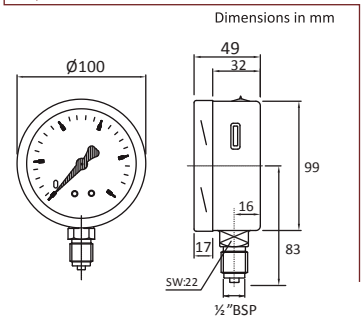
Body: AISI 316 Stainless steel

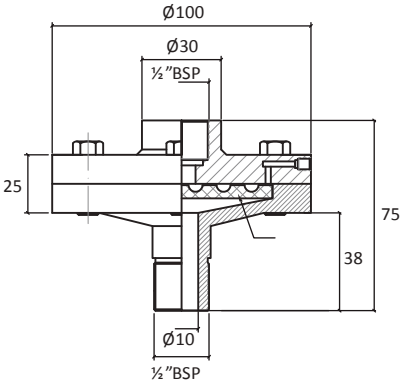
Tranmission liquid: Silicon oil

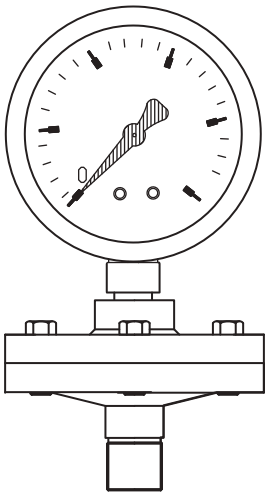
Bolts: AISI 316 Stainless steel

A Bottom

Dimensions in mm









V-shaped thermometer

Liquid expansion thermometers for temperatures from -60ºC to 600ºC.
These instruments are very tough, easy to install and reliable. They resist extreme working conditions: vibrations, humidity, outdoors conditions, aggressive media like sea water or ammonia.
Useful to control fluid temperature in pipes or tanks from ship engines, refrigeration systems, boilers, HVAC systems, etc.

Application:

- **Heating**
- **Boilers**
- **Naval Sector**

STANDARD PARAMETERS

Structure: The glass insert is secured by an aluminum case where the temperature range is printed. The metallic stem is fixed into the system by male or female thread or Bolt.

Case dimension (H): **110, 150 or 200mm**

Mounting: See attached diagrams **A** , **B** or **C**

Connection system: **Male** or **female thread** or **bolt**

Threads: **Standard BSP**, **metrics** or **NPT**

Stem length (L), including thread: **25-500mm**

Stem diameter (Ø) : 10mm (optional 8mm)

Range: Aluminium case:**-60...0...600 °C / Polyamide case: -60...0...200°C**

Scale: **°C printed on the right side of the case** or **double scale °C/°F**

MATERIALS

Case: **Anodized aluminium gold or silver coloured / polyamide**

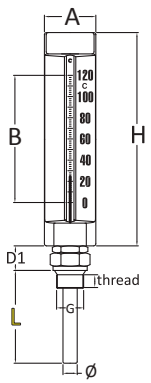
Insert: Prismatic glass with white strip for T<450°C and Round glass with yellow back for T>450°C

Thread and Stem: **Brass, Steel, Stainless steel AISI 304, AISI 316** or **316L**

Thermometric liquid: **Blue** or **red alcohol** for T<200°C / Mercury for T>200°C

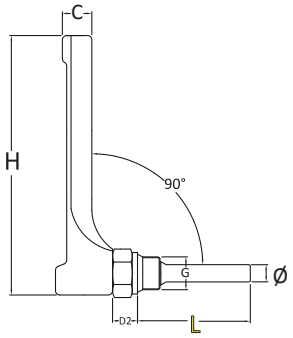
DIMENSIONS(mm)								WEIGHT (g)
Mounting	H	A	B	C	D1	D2	Ø	
Straight	110	36	60	17	20	-	10	230
	150	36	90	17.5	20	-	10	285
	200	36	130	17.5	20	-	10	320
Angle 90°	110	36	60	17	-	48	10	230
	150	36	90	17	-	48	10	275
	200	36	130	17	-	48	10	310
Angle 135°	110	36	60	17	20	-	10	230
	150	36	90	17.5	20	-	10	275
	200	36	130	17.5	20	-	10	310

A Straight

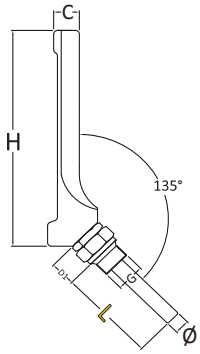


Temperature range				
Tmp. in °C	H	Subdivision °C/line	Maximum error	Líquid
-60+40	110	2	2	Alcohol
	150	1		
	200	1		
-30+50	110	1	2	Alcohol or Mercury
	150		2	
	200		1	
0+60	110	1	2	
	150		2	
	200		1	
0+100 0+120	110	2	2	
	150	1	2	
	200	1	1	
0+160 0+200	110	2	2	
	150			
	200			
0+300	150 200	2	2	Mercury
0+400		5	5	
0+500		10	5	
0+600		10	5	

B Angle 90º



C Angle 135º





Industrial glass thermometers with opal scale

Liquid expansion thermometers for temperatures from -40ºC to 200ºC.
These instruments are very tough, easy to install and reliable.
They resist extreme hard conditions: vibrations, humidity, indoor and outdoors.

Application:

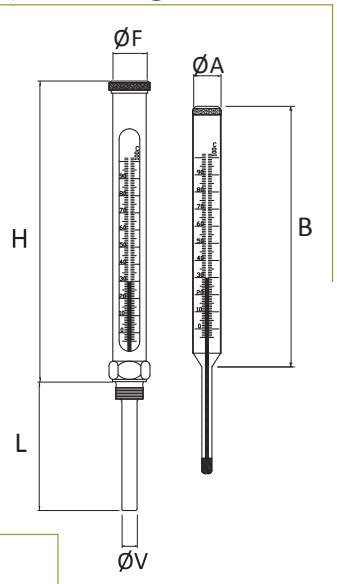
- **Heater**
- **Boilers**
- **Naval sector**

STANDARD PARAMETERS
Structure: The opal is secured by a metallic case. The temperature range is printed on the opal. The metallic stem is fixed into the system by male or female thread or through a bolt.
Case dimension (HxØF): **145xØ20, 170xØ20, 200xØ22** or **260xØ22mm**
Mounting: See attached diagrams **A** or **B**
Connection system: **Male** or **female thread** or **Bolt**
Threads: **Standard BSP, metrics** or **NPT**
Stem length (**L**), including thread: **40-300mm**
Stem diameter (ØV) : **10** or **12mm**
Range: **-40...0...200°C**
Scale: **°C** or **double scale °C /°F**

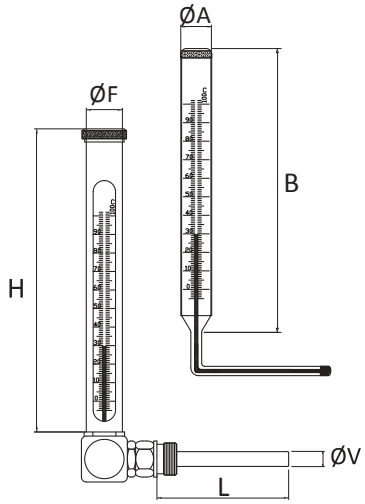
MATERIALS
Case: **Chromed steel, Stainless steel AISI 316** or **Brass**
Scale: Opal
Insert: Glass
Thread and Stem: **Chromed steel, Stainless steel AISI 316** or **Brass**
Termometric liquid: **Blue** or **red alcohol**

DIMENSIONS(mm)						WEIGHT (g)
Mounting	**H**	**B**	**ØF**	**ØA**	**ØV**	
Straight	145	135	20	16	10	81
	170	160	20	16	10	81
	200	190	22	18	10	130
	260	220	22	18	10	152
Angle 90°	145	135	20	16	10	81
	170	160	20	16	10	81
	200	190	22	18	10	130
	260	220	22	18	10	152

A **Straight**



B **Angle 90º**



Temperature range				
Tmp. in °C	**H**	**Subdivision °C/line**	**Maximum error**	**Liquid**
-40+40	145	1	2	Blue alcohol
	170			
	200			
	260			
-10+50 -10+60 0+60 0+100 0+120	145	2	1	
	170	1		
	200			
	260			
0+150 0+200	145	2	2	
	170			
	200			
	260			



Bimetallic dial thermometer in zincked steel

Dial thermometers with bimetal strip with internal copper alloy elements.

They are economic instruments especially designed for heating and cooling applications.

Application:

- **Heating systems**
- **Refrigeration**

STANDARD PARAMETERS

Mounting: See attached diagrams **A** or **B**

Closing: **A**: Bayonet; **B**: Sealed ring

IP protection: IP56

Accuracy: Class 2.5

Temperature limits:

- Room temperature: -40+65°C
- Fluid overtemperature: maximum 10% end of scale
- Max. pressure on stem: 16 bar

Temperature range: **-20+60; 0+120**°C

Sensor element: Bimetallic strip

Stem length (P): **50; 65; 100** mm

Process connection: Trough protection sheath

Threaded connection (G): ½"BSP Male

MATERIALS

Case and ring: Zincked steel

Moving parts and bimetallic strip: Copper alloy

Threaded connection: **Brass** or **AISI 304 Stainless steel**

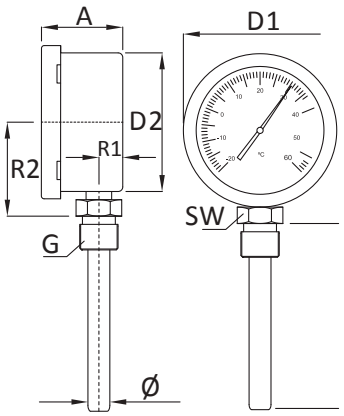
Display: Glass

Dial: White lacquered aluminum

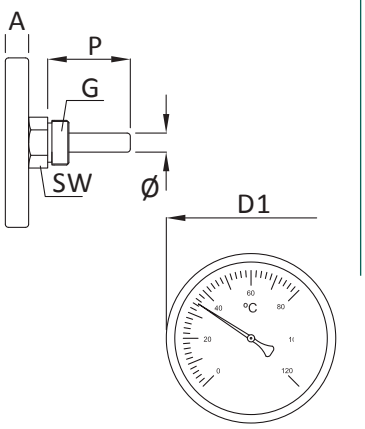
Pointer: Black lacquered aluminum

Stem: Brass

A Bottom



B Back



Temperature scale			
Scale printed on the dial (°C)	Working range (°C)	Subdivision °C/line	Maximum error
-20+60	-10+50	1	
0+120	+20+100	2	

DIMENSIONS (mm)									WEIGHT (g)	
DN	Mounting	R1	A	D1	Ø	R2	SW	D2	P=50mm	P=100mm
Ø63	A	12	47	68	11	44	22	60	174	184
Ø63	B	-	12	63	11	-	22	-	134	147
Ø80	A	13	50	84	11	54	22	75	204	216
Ø80	B	-	13	80	11	-	22	-	-	176



Bimetallic dial thermometer in stainless steel

Dial thermometers with bimetallic strip, inner components in copper alloy.

Reliable tools that withstand extreme working conditions: engine vibration, humidity and aggressive media such as seawater.

Application:

- **Compressed air**
- **Compressors**
- **HVAC**
- **Hydraulics**
- **Pneumatics**

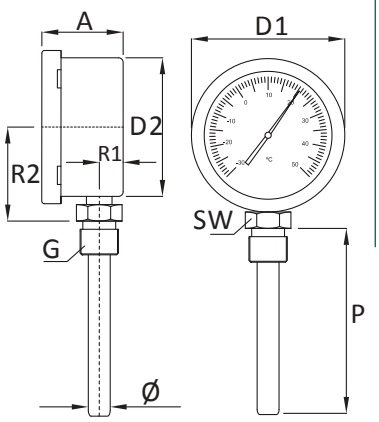
STANDARD PARAMETERS
Mounting: See attached diagrams **A** or **B**
Closing: Bayonet
IP protection: IP54
Accuracy: **Ø80**: Class 1.6 / **Ø100-Ø150**: Class 1.0
Usage limits: Working temperature: -40+65°C Fluid overtemperature: maximum 10% end of scale Max. pressure on stem: 16 bar
Temperature range: **-30+50; 0+60; 0+120; 0+200; 0+400**°C
Sensor element: Bimetallic strip
Stem length: **50; 65; 100; 150; 200; 250; 300** mm
Process connection: **Plain Bulb, Sliding on the stem, protection sheath** or **crazy nut**
Threaded connection (G): **½"NPT, ½"BSP** or **¾"BSP** / **Male** or **Female**

MATERIALS
Case and ring: AISI 304 Stainless steel
Moving parts and bimetallic strip: Copper alloy
Threaded connection: **Brass** or **AISI 304 Stainless steel**
Display: Glass
Dial: White lacquered aluminum
Pointer: Black lacquered aluminum
Bulb/Stem: AISI 316 stainless steel

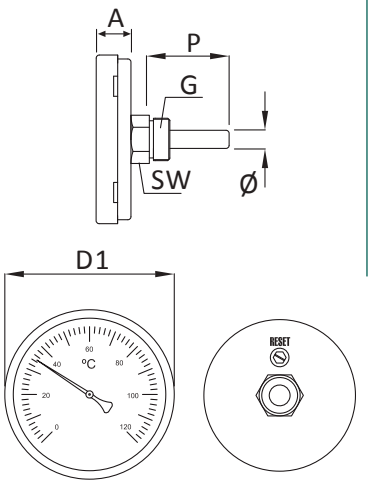
Temperature scale

Scale printed on the dial (°C)	Working range (°C)	Subdivision °C/line	Maximum error
-30+50 0+60	-20+40 +10+50	1	1.5
0+120 0+200	+20+100 +20+180	2	3
0+400	+50+350	5	8

A Bottom



B Back



DIMENSIONS (mm)									WEIGHT (g)
DN	**Mounting**	**R1**	**A**	**D1**	**Ø**	**R2**	**SW**	**D2**	
Ø80	A	12	47	84	11	54	22	75	212
Ø80	B	-	17	84	11	-	22	-	99
Ø100	A	13	50	110	11	65	22	100	285
Ø100	B	-	20	110	11	-	22	-	176
Ø150	A	15	50	160	11	90	22	150	545
Ø150	B	-	20	160	11	-	22	-	485



Bimetallic dial thermometer in stainless steel with orientable stem

Dial thermometers with bimetallic strip, inner components in copper alloy.

Orientable stem makes it a versatile instrument, useful for a wide variety of applications.

Reliable tools that withstand extreme working conditions: engine vibration, humidity and aggressive media such as seawater.

Application:

- **Compressed air**
- **Compressors**
- **HVAC**
- **Hydraulics**
- **Pneumatics**

STANDARD PARAMETERS

Mounting: See attached diagram **E**

Closing: Bayonet

IP protection: IP54

Accuracy: Class 1.6

Usage limits:

Working temperature: -40+65°C

Fluid overtemperature: maximum 10% end of scale

Max. pressure on stem: 16 bar

Temperature range: **-40+60; 0+120; 0+200; 0+300; 0+400**°C

Sensor element: Bimetallic strip

Stem length: **150; 200; 250** mm

Process connection: **Sliding on the stem** or **Plain bulb**

Threaded connection (G): **½"BSP, ¾"BSP** or **½"NPT** / **Male** or **Female**

MATERIALS

Case and ring: AISI 304 Stainless steel

Moving parts and bimetallic strip: Copper alloy

Threaded connection: AISI 304 Stainless steel

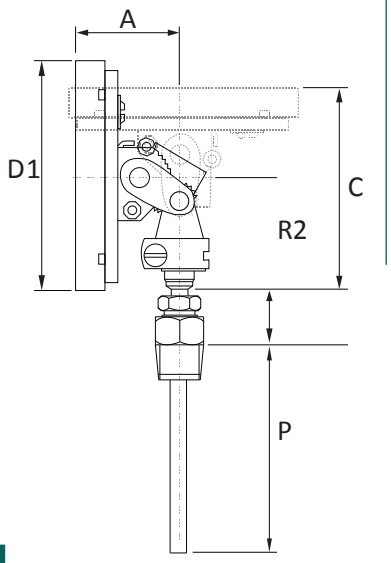
Display: Glass

Dial: White lacquered aluminum

Pointer: Black lacquered aluminum

Stem: AISI 316 stainless steel

E Orientable



Temperature scale

Scale printed on the dial (°C)	Working range (°C)	Subdivision °C/line	Maximum error
-40+60	-30+40	1	1.5
0+120 0+200	+20+100 +20+180	2	3
0+300 0+400	+50+250 +50+350	5	8

DIMENSIONS (mm) / WEIGHT (g)

DN	Mounting	R1	A	D1	Ø	R2	SW	D2	
Ø100	E	12	47	84	10	54	22	75	425
Ø150	E	-	17	84	10	-	22	-	642



Bimetallic thermometer for oven doors

Especially designed to be placed in oven doors and iron stoves. Does not include protection sheath. It is recommended not to expose the thermometer to fire directly.
Installation is very simple, a way through the door of sufficient diameter is required, once inserted the rod a threaded ring fastens the instrument to the door.

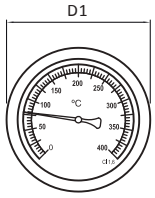
Application:

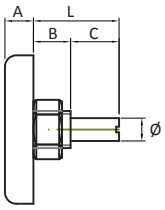
- **Furnaces / Kilns**
- **Wood fired ovens**

STANDARD PARAMETERS
Mounting: See attached diagram **B**
Closing: Embedded
IP protection: IP56
Accuracy: Class 1.6
Temperature range: 0+400°C
Sensor element: Bimetallic strip
Stem length (L): 30 mm
Connection to the furnace/oven: Through a threaded nut

MATERIALS
Case and ring: AISI 304 Stainless steel
Moving parts and bimetallic strip: AISI 304 Stainless steel
Display: Glass
Dial: White lacquered aluminum
Pointer: Black lacquered aluminum
Stem: AISI 304 Stainless steel

B Back





Temperature scale			
Scale printed on the dial (°C)	Working range (°C)	Subdivision °C/line	Maximum error
0+400	+50+350	5	8

DIMENSIONS (mm)									WEIGHT (g)
DN	Mounting	A	B	D1	Ø	L	SW	C	
Ø40	B	10	35	42	8	55	27	20	54
Ø50	B	10	13	52	8	30	27	17	57



Bimetallic thermometer with brass stem and protection sheath for oven

For any oven, especially designed to be placed in the mouth of large furnaces.
Easy installation and handling. Direct connection using a protection sheath.
Do not expose to fire directly.

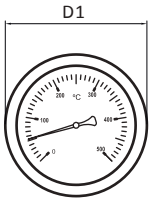
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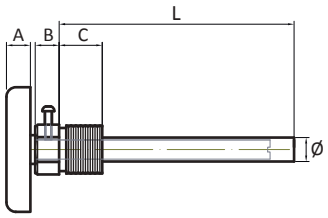
- **Furnaces / Kilns**
- **Wood fired ovens**

STANDARD PARAMETERS
Mounting: See attached diagram **B**
Closing: Embedded
IP protection: IP56
Accuracy: Class 1.6
Temperature range: 0+500°C
Sensor element: Bimetallic strip
Stem length (L): **150; 200; 300; 400** or **500** mm
Connection to the furnace/oven: Through protection sheath with ½"BSP thread

MATERIALS
Case and ring: Zincked steel
Moving parts and bimetallic strip: Copper alloy
Display: Glass
Dial: White lacquered aluminum
Pointer: Black lacquered aluminum
Stem and protection sheath: Brass

B Back





Temperature scale			
Scale printed on the dial (°C)	Working range (°C)	Subdivision °C/line	Maximum error
0+500	+50+450	10	10

DIMENSIONS (mm)							WEIGHT (g)		
DN	Mounting	A	Ø	B	C	D1	L=150mm	L=300m	L=500m
Ø63	B	10	10	10	18	63	123	142	172



Bimetallic thermometer with frontal flange for oven panelling

For any oven, especially designed to be placed in the mouth of large furnaces.
Easy installation and handling. Connection via frontal flange, perfect for paneling.
Do not expose to fire directly.

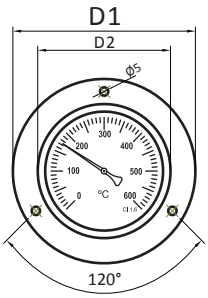
Application:

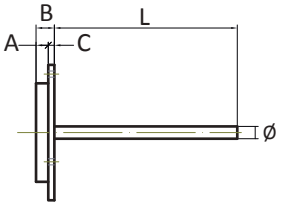
- **Furnaces / Kilns**
- **Wood fired ovens**

STANDARD PARAMETERS
Mounting: See attached diagram **B**
Closing: Sealed ring
IP protection: IP56
Accuracy: Class 1.6
Temperature range: 0+600°C
Sensor element: Bimetallic strip
Stem length (L): **100; 150; 200; 300; 400** or **500** mm
Connection to the furnace/oven: Through frontal flange

MATERIALS
Case and ring: AISI 304 Stainless steel
Moving parts and bimetallic stripe: Copper alloy
Display: Glass
Dial: White lacquered aluminum
Pointer: Black lacquered aluminum
Stem: AISI 304 Stainless steel

B **Back**





Temperature scale			
Scale printed on the dial (°C)	Working range (°C)	Subdivision °C/line	Maximum error
0+600	+50+550	10	10

DIMENSIONS (mm)								WEIGHT (g)		
DN	Mounting	A	Ø	B	C	D1	D2	L=150mm	L=300m	L=500m
Ø100	B	10	10	15	5	110	80	168	214	294



Bimetallic thermometer for oven

This is an oven thermometer in stainless steel with a Ø55mm dial and color coded areas.

The green section indicates the minimum temperature at which should be preserved food trays in the catering sector.

It also has a stand to place it upright and a ring to hang it from oven trays or shelves.

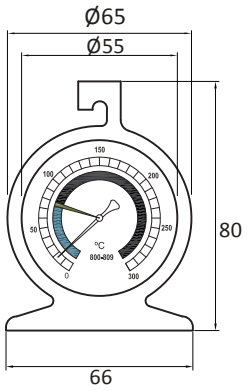
Application:

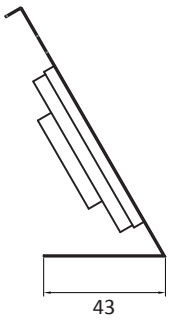
- **Kitchen ovens**
- **Wood fired ovens**
- **Catering**

STANDARD PARAMETERS	
Mounting:	See attached diagram
Closing:	Embedded
IP protection:	IP56
Accuracy:	Class 1.6
Temperature range:	0+300°C
Sensor element:	Bimetallic strip
Oven placement:	Place thermometer in the central area
Weight:	48g

MATERIALS	
Case and ring:	Stainless steel
Moving parts and bimetallic strip:	Copper alloy
Display:	Glass
Dial:	White lacquered aluminum
Pointer:	Black lacquered aluminum

DIMENSIONS (mm)





Temperature scale according to DIN 16206

Scale printed on the dial (°C)	Working range (°C)	Subdivision °C/line	Maximum error
0+300	+50+250	10	10



Dial thermometer with capillary in stainless steel

Reliable tools that withstand extreme working conditions: engine vibration, humidity and aggressive media such as seawater.
Bottom connection to panel through back flange.

Especially designed for remotely measuring temperatures in chemical, petroleum and food industries.

Application:

- **Chemical Industry**
- **Oil industry**
- **Food**
- **HVAC**
- **Cooling**

STANDARD PARAMETERS

Mounting: See attached diagram **C**

Closing: Bayonet. Sealed by rubber gasket

IP protection: IP65

Accuracy: Class 1.6

Temperature limits:

Room temperature: -40+60°C

Fluid overtemperature: maximum 10% end of scale

Max. pressure on stem: 25 bar.

Temperature range: **0+120; 0+200; 0+400; +50+650**°C/°F

Sensor element: Bourdon tube (Inert gas expansion). Room temperature compensator by bimetallic strip

Capillary length (L): **3; 5; 8** m

Stem length (P): **150; 250** mm

Process connection: **Plain Bulb, Sliding on the stem** or **crazy nut**

Threaded connection: **½"BSP, ½"BSPT, ½"NPT, ⅜"BSP, ¾"BSP, M20x150** or **M22x150**

Antivibration liquid: **Glycerine** or **dry**

Overtemperature relief system: Upper plug

MATERIALS

Case and ring: AISI 304 Stainless steel

Moving parts and bourdon tube: Copper alloy

Capillary: AISI 304 Stainless steel

Display: Glass

Dial: White lacquered aluminum

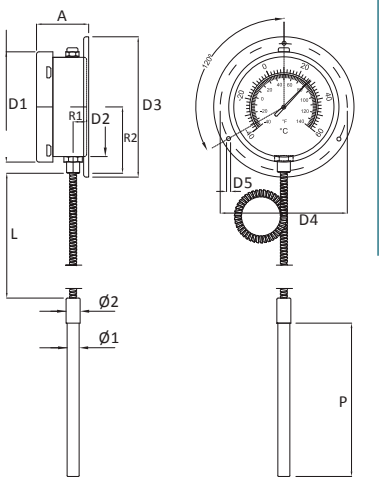
Pointer: Black lacquered aluminum

Capillary coating: AISI 304 Stainless steel

Bulb/Stem: AISI 304 Stainless steel

Threaded connection: **AISI 304 Stainless steel** or **Brass**

C Bottom with back flange



Temperature scale

Scale printed on the dial (°C)	Working range (°C)	Subdivision °C/line	Maximum error
0+120 0+200	+20+100 +20+180	2	3
0+400	+50+350	5	8
+50+650	+100+600	10	10

DIMENSIONS (mm) / WEIGHT (g)

DN	Mounting	A	Ø1	Ø2	R1	R2	D1	D2	D3	D4	D5	L=3m	L=5m	L=8m
Ø100	C	52	10	12	14	67	110	100	140	124	4	782	835	1016

Glycerine +271g



Dial thermometer with capillary in PVC coated stainless steel

Reliable tools that withstand extreme working conditions: engine vibration, humidity and aggressive media such as seawater.

Especially designed to measure temperatures remotely.

Application:

- **Chemical Industry**
- **Oil industry**
- **Food**
- **HVAC**
- **Cooling**

STANDARD PARAMETERS

Mounting: See attached diagram **C**

Closing: Bayonet. Sealed by rubber gasket

IP protection: IP56

Accuracy: Class 1.6

Temperature limits:

- Room temperature: -40+60°C
- Fluid overtemperature: maximum 10% end of scale
- Max. pressure on stem: 25 bar.

Temperature range: -60+40°C

Sensor element: Bourdon tube (Inert gas expansion). Room temperature compensator by bimetallic strip

Capillary length (L): **3; 5; 8** m

Stem length (P): 100 mm

Process connection: **Plain Bulb, Sliding on the stem** or **crazy nut**

Threaded connection: **½"BSP, ½"BSPT, ½"NPT, ⅜"BSP, ¾"BSP, M20x150** or **M22x150**

Overtemperature relief system: Upper plug

MATERIALS

Case and ring: AISI 304 Stainless steel

Moving parts and bourdon tube: Copper alloy

Capillary: AISI 304 Stainless steel

Display: Glass

Dial: White lacquered aluminum

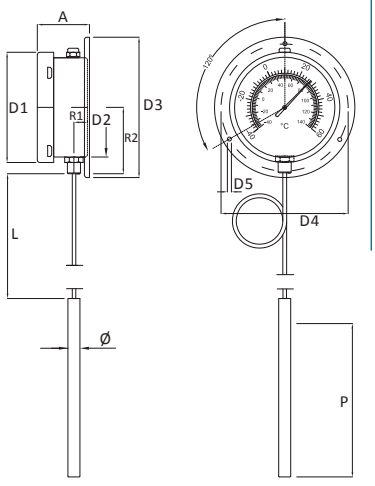
Pointer: Black lacquered aluminum

Capillary coating: PVC

Bulb/Stem: AISI 304 Stainless steel

Threaded connection: **AISI 304 Stainless steel** or **Brass**

C Bottom with back flange



Temperature scale

Scale printed on the dial (°C)	Working range (°C)	Subdivision °C/line	Maximum error
+50+650	+100+600	10	10

DIMENSIONS (mm) / WEIGHT (g)

DN	Mounting	A	Ø	R1	R2	D1	D2	D3	D4	D5	L=3m	L=5m	L=8m
Ø100	C	41	8	14	67	110	100	140	124	4	448	483	542



Dial thermometer with plastic case and copper capillary

Gas expansion thermometers with Bourdon elastic element and an environmental temperature compensator through bimetallic strip.
These simple instruments are especially designed to measure temperatures remotely in cooling and refrigeration chambers.

Application:

- **Chemical Industry**
- **Food**
- **HVAC**
- **Cooling**

STANDARD PARAMETERS

Mounting: See attached diagram **B**

Closing: Bayonet. Sealed by rubber gasket

IP protection: IP43

Accuracy: Class 2.5

Temperature range: **-40+40** or **0+120**°C

Sensor element: Bourdon tube (Inert gas expansion). Room temperature compensator by bimetallic strip

Capillary length (L): 1m

Stem length (P): 100 mm

Process connection: Plain bulb

MATERIALS

Case and ring: Polyethylene

Moving parts and bourdon tube: Copper alloy

Bulb/stem: Copper alloy

Display: Polyethylene

Dial: Polyethylene

Pointer: Polyethylene

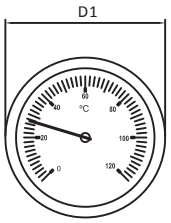
Capillary coating: PVC

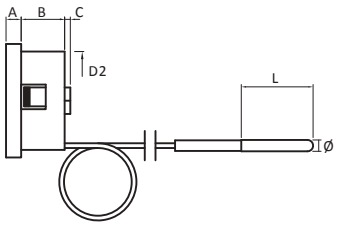
Stem: Copper alloy

Temperature scale

Scale printed on the dial (°C)	Working range (°C)	Subdivision °C/line	Maximum error
-40+40	-30+30	1	2
0+120	+20+100	2	3

B Back





DIMENSIONS (mm)

DN	Mounting	A	Ø	B	C	D1	D2	L	WEIGHT (g)
Ø50	C	8	6	23	3	58	52	30	57



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

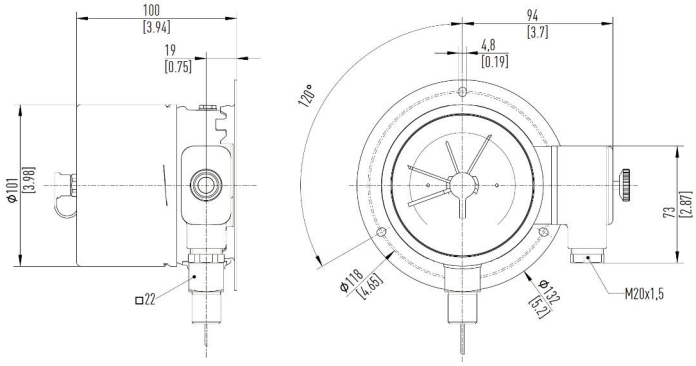
STANDARD PARAMETERS

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

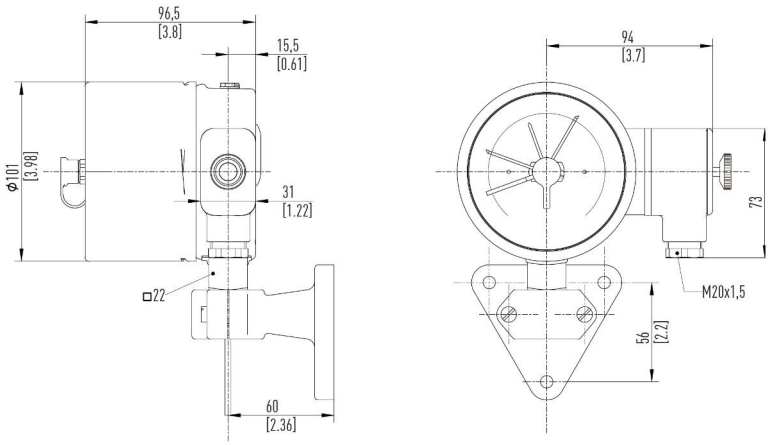
MATERIAL

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





Pyrometer with antivibration system for High Temperatures

Reliable tools that withstand extreme working conditions: engine vibration, humidity and aggressive media such as seawater.

Especially designed to measure the temperature of the exhaust gases of the engines. The pyrometer box is filled with silicon oil serving as a vibration dampener.

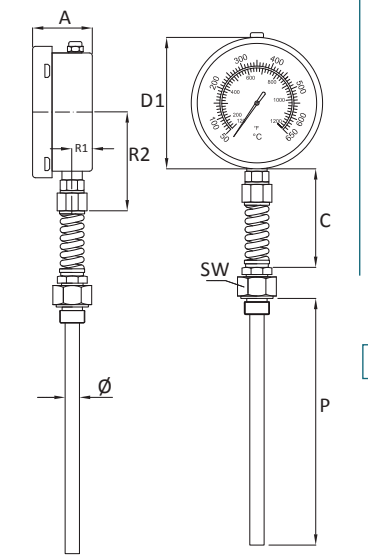
Application:

- **Engines**
- **HVAC**

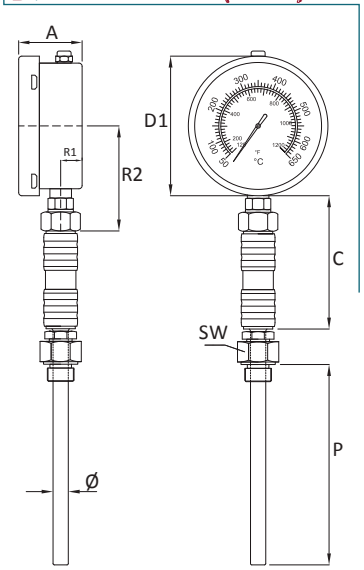
STANDARD PARAMETERS
Mounting: See attached diagrams **A** or **B**
Closing: Bayonet. Sealed by rubber gasket
IP protection: IP65
Accuracy: Class 1.6
Temperature limits:
Room temperature: -40+65°C
Fluid overtemperature: maximum 15% end of scale
Max. pressure on stem: 50 bar
Temperature range: +50+650 °C/°F
Sensor element: Bourdon tube (Inert gas expansion)
Stem length (P): **150; 200; 300; 400** mm
Process connection: Sliding on the stem
Threaded connection: **½"BSP, ½"NPT, ⅜"BSP, ¾"BSP, M20x150** or **M22x150**
Antivibration liquid: Silicon oil
Vibration damping system: **Spring** or **Silent block (mesh)**

MATERIALS
Case and ring: AISI 304 Stainless steel
Moving parts and bourdon tube: Copper alloy
Threaded connection: AISI 304 Stainless steel
Display: Glass
Dial: White lacquered aluminum
Pointer: Black lacquered aluminum
Stem: AISI 316 Stainless steel

A Spring



B Silent block (mesh)



Temperature scale			
Scale printed on the dial (°C)	Working range (°C)	Subdivision °C/line	Maximum error
+50+650	+100+600	10	10

DIMENSIONS (mm)									WEIGHT (g)
DN	Tipo	R1	A	D1	Ø	R2	SW	C	
Ø100	A	12	50	112	12	83	27	103	1020
Ø100	B	12	50	112	12	84	27	130	1020



Rigid high temperature pyrometer

Reliable tools that withstand extreme working conditions: engine vibration, humidity and aggressive media such as seawater.

Especially designed to measure the temperature of the exhaust gases of the engines. The pyrometer box is filled with silicon oil serving as a vibration dampener.

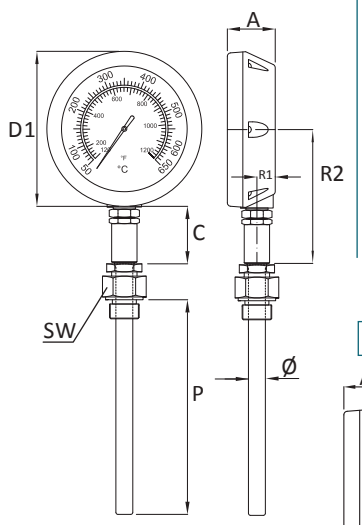
Application:

- **Engines**
- **HVAC**

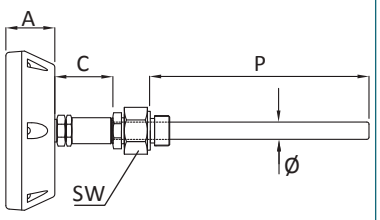
STANDARD PARAMETERS
Mounting: See attached diagrams **A** or **B**
Closing: Ring threaded to case. Sealed by rubber gasket
IP protection: IP65
Accuracy: Class 1.6
Temperature limits:
Room temperature: -40+65°C
Fluid overtemperature: maximum 15% end of scale
Max. pressure on stem: 50 bar
Temperature range: +50+650 °C/°F
Sensor element: Bourdon tube (Inert gas expansion)
Stem length (P): **150;200; 300;400** mm
Process connection: Sliding on the stem
Threaded connection: **½"BSP, ½"NPT, ⅜"BSP, ¼"BSP, M20x150** or **M22x150**
Antivibration liquid: Silicon oil
Vibration damping system: Rigid

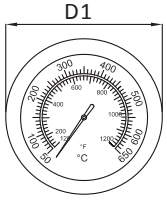
MATERIALS
Case and ring: Black anodized aluminum
Moving parts and bourdon tube: Copper alloy
Threaded connection: AISI 304 Stainless steel
Display: Glass
Dial: White lacquered aluminum
Pointer: Black lacquered aluminum
Stem: AISI 304 Stainless steel

A Bottom



B Back





Temperature scale			
Scale printed on the dial (°C)	Working range (°C)	Subdivision °C/line	Maximum error
+50+650	+100+600	10	10

DIMENSIONS (mm)									WEIGHT (g)
DN	Mounting	R1	A	D1	Ø	R2	SW	C	
Ø100	A	12	32	118	12	100	27	42	877
Ø100	B	-	32	118	12	-	27	42	877

GAUGEMET

OEM and private label

Every instrument in this catalogue can be supplied with your logo, your scale and your packaging. Send us your dial artwork and we return a proof.

EMAIL

sales@gaugemet.com

WHATSAPP

+1 936 668 6526

WEB

www.gaugemet.com

FACTORY

Hangzhou and Dongtai, China