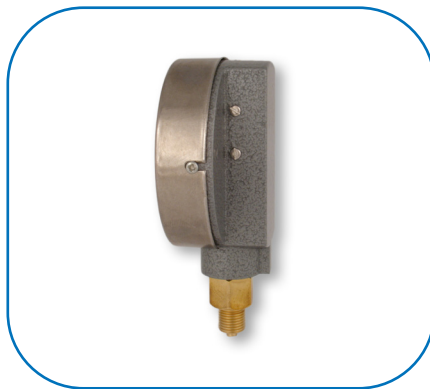
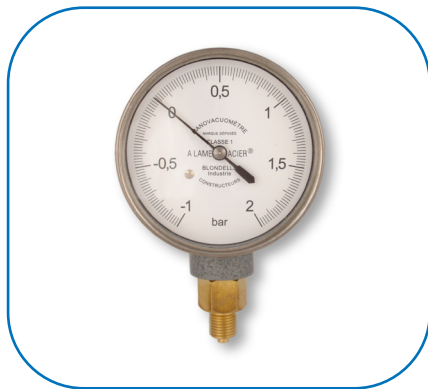


PANIMPEX BLONDELLE INDUSTRY 2020

Ø 60 Gauge, Aluminium, Dry



Construction features

- Connection: vertical or rear, brass
- Light alloy case, hammered gray epoxy coating
- Glass in Polymetacrylate
- Glass fastening: by polished stainless steel hood
- Manometric element:
 - material: tombac
 - assembly: tin solder
- Zeroing screw accessible from the outside
- Brass amplifier mechanism

Threads

- M10x100 - 15x150 - 20x150
- 1/8 GAS co.
- 1/4 GAS cyl. - 3/8 GAS cyl. - 1/2 GAS cyl.
- 1/8 BRIGGS co. - 1/4 BRIGGS co. - 1/2 BRIGGS co.
- Other threads: contact us

Fixings

- By removable front collar (through mounting)
- By mounting bracket (surface mounting)

Accessories

- Nut, socket & seal
- Anti-choc protection (gray, blue, red), with or without hook
- Plastic storage case, with protective foam

Services

- Calibration or re-calibration with 6 point certificate, Retractable to a COFRAC or BELAC attached national standard.
- Repair Services

Technical specifications

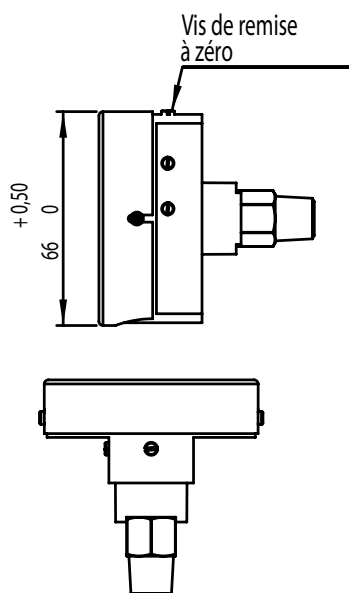
- Accuracy: $\pm 1\%$ end of scale: Class 1
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure
 - 200% for scales below 50 bar
 - 150% for scales between 50 and 100 bar
 - 125% for scales over 100 bar
- Range of the scale: 300°
- List of available dials: see attached table

Options

- Silver solder assembly (for temperatures above 70°C)
- Absolute Calibration
- Oxygen version
- Vacuum drying of the manometric element
- Filling of the manometer element with buffer fluid: glycerin
- Security vent
- Max indicator system by follower needle
- Index needle
- Serialnumber printed on the dial
- Custom dial at the customer's request

Ø 60 Gauge, Aluminium, Dry

Rear Connection



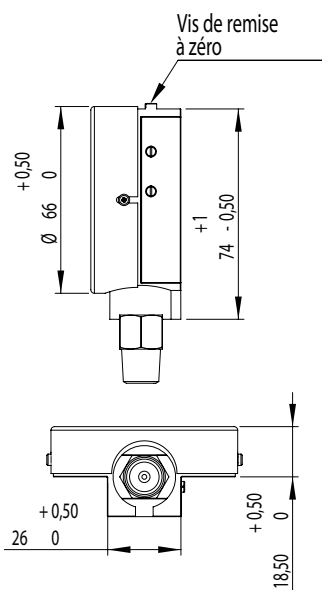
Dials

Industry

Laboratory

-1000 mbar + 0	8820
0 +1000 mbar P.Abs.	6089
-760 mmHG + 0	8361
-1000 + 1000mb	8360
-1 + 2 bar	8395
-1 + 3 bar	8785
-1 + 4 bar	8779
-1 + 5 bar	1218
-1 + 6 bar	8514
-1 + 8 bar	1220
-1 + 10 bar	8515
-1 + 16 bar	9139
-1 + 25 bar	1225
-1 + 30 bar	0030
-1 + 45 bar	2055
-1 + 50 bar	2056
0 + 1000 mbar	8761
0 + 2000 mbar	8355
0 + 2,5 bar	8317
0 + 3 bar	8626
0 + 4 bar	8350
0 + 5 bar	8464
0 + 6 bar	8463
0 + 8 bar	675
0 + 10 bar	8307
0 + 12 bar	676
0 + 15 bar	581
0 + 16 bar	8596
0 + 20 bar	2270
0 + 25 bar	8308
0 + 30 bar	8516
0 + 40 bar	668
0 + 50 bar	8517
0 + 60 bar	8309
0 + 80 bar	8419
0 + 100 bar	8351
0 + 120 bar	681
0 + 160 bar	9279
0 + 200 bar	8362
0 + 250 bar	8352
0 + 200 psi	2132
0 + 500 psi	2126
0 + 1500 psi	9028
0 + 2000 psi	8355

Vertical Connection



Ø 60 Gauge, Aluminium, Oil-filled/Tight



Construction features

- Connection: vertical or rear center, brass
- Light alloy case, hammered gray epoxy coating
- Glass in Polymetacrylate
- Glass fixation: by collar
- Manometric element:
 - material: tombac
 - assembly: tin solder
- Zeroing screw accessible from the outside
- Brass amplifier mechanism
- Housing filled with silicone oil for the Oil-filled version

Threads

- M10x1 - 15x150 - 20x150
- 1/8 GAS co.
- 1/4 GAS cyl. - 3/8 GAS cyl. - 1/2 GAS cyl.
- 1/8 BRIGGS co. - 1/4 BRIGGS co. - 1/2 BRIGGS co.
- Other threads: contact us

Fixings

- By mounting bracket (surface mounting)
- By fastening clamp (through mounting)

Accessories

- Nut, socket & seal
- Plastic storage case, with protective foam

Services

- Calibration or re-calibration with 6 point certificate, Retractable to a COFRAC or BELAC attached national standard.
- Repair Services

Technical specifications

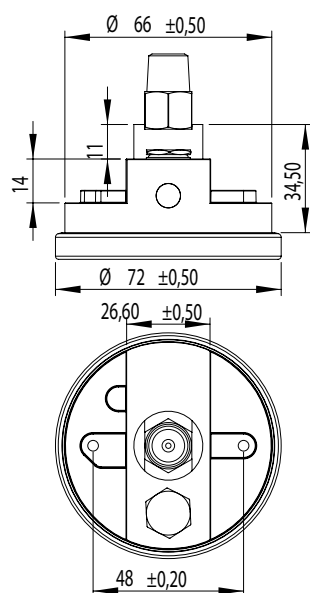
- Accuracy: $\pm 1\%$ end of scale: Class 1
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure:
 - 200% for scales below 50 bar
 - 150% for scales between 50 and 100 bar
 - 125% for scales over 100 bar
- Range of the scale: 300°
- List of available dials: see attached table

Options

- Oxygen calibration
- Silver solder assembly (for temperatures above 70°C)
- Absolute Calibration
- Vacuum drying of the manometric element
- Filling of the manometer element with buffer fluid: glycerin
- Security vent
- Serialnumber printed on the dial
- Custom dial at the customer's request

Ø 60 Gauge, Aluminium, Oil-filled/Tight

Rear Connection



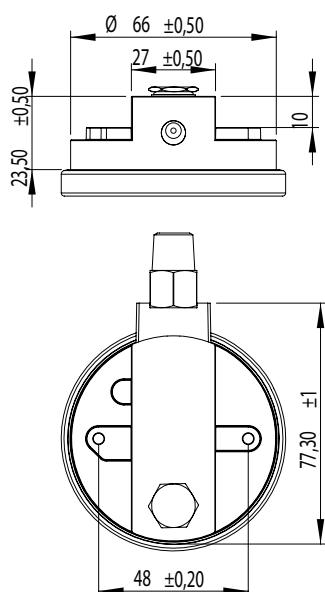
Dials

Industry

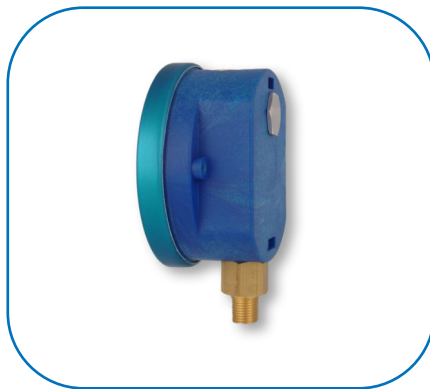
Laboratory

-1000 mbar + 0	8820
0 +1000 mbar P.Abs.	6089
-760 mmHG + 0	8361
-1000 + 1000mb	8360
-1 + 2 bar	8395
-1 + 3 bar	8785
-1 + 4 bar	8779
-1 + 5 bar	1218
-1 + 6 bar	8514
-1 + 8 bar	1220
-1 + 10 bar	8515
-1 + 16 bar	9139
-1 + 25 bar	1225
-1 + 30 bar	0030
-1 + 45 bar	2055
-1 + 50 bar	2056
0 + 1000 mbar	8761
0 + 2000 mbar	8355
0 + 2,5 bar	8317
0 + 3 bar	8626
0 + 4 bar	8350
0 + 5 bar	8464
0 + 6 bar	8463
0 + 8 bar	675
0 + 10 bar	8307
0 + 12 bar	676
0 + 15 bar	581
0 + 16 bar	8596
0 + 20 bar	2270
0 + 25 bar	8308
0 + 30 bar	8516
0 + 40 bar	668
0 + 50 bar	8517
0 + 60 bar	8309
0 + 80 bar	8419
0 + 100 bar	8351
0 + 120 bar	681
0 + 160 bar	9279
0 + 200 bar	8362
0 + 250 bar	8352
0 + 200 psi	2132
0 + 500 psi	2126
0 + 1500 psi	9028
0 + 2000 psi	8355

Vertical Connection



Ø 60 Gauge, Composite, Tight or Oil-filled



Construction features

- Connection: vertical or rear, brass
- Housing in reinforced composite material, blue, red or yellow
- Glass in Polymetacrylate
- Glass fixation: crimped collar (blue, red or yellow)
- Manometric element:
 - material: tombac
 - assembly: tin solder
- Zeroing screw accessible from the outside
- Brass amplifier mechanism
- Housing filled with silicone oil for the Oil-filled version

Threads

- M10x100 - 15x150 - 20x150
- 1/8 GAZ co.
- 1/4 GAZ cyl. - 3/8 GAZ cyl. - 1/2 GAZ cyl.
- 1/8 BRIGGS co. - 1/4 BRIGGS co. - 1/2 BRIGGS co.
- Other threads: contact us

Fixings

- By mounting bracket (surface mounting)
- By fastening clamp (through mounting)

Accessories

- Nut, socket & seal
- Anti-choc protection (gray, blue, red or yellow)
- Plastic storage case, with protective foam

Services

- Calibration or re-calibration with 6 point certificate, Retractable to a COFRAC or BELAC attached national standard.
- Repair Services

Technical specifications

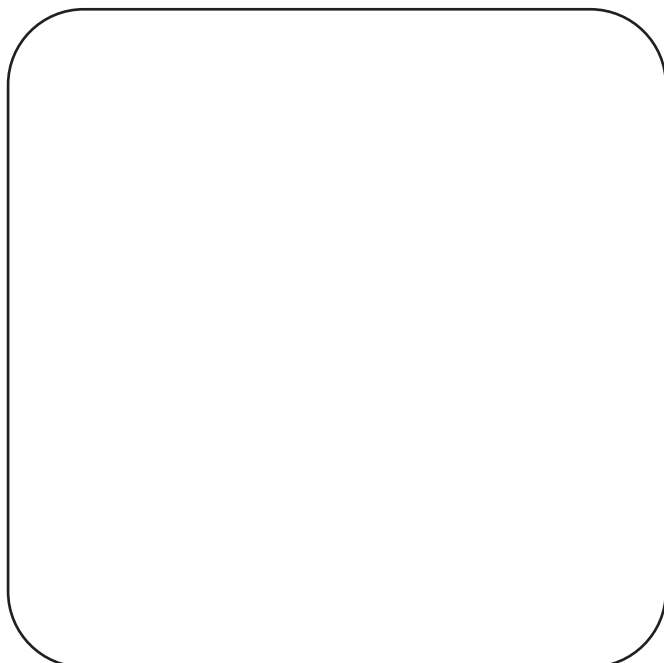
- Accuracy: $\pm 1\%$ end of scale: Class 1
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure:
 - 200% for scales below 50 bar
 - 150% for scales between 50 and 100 bar
 - 125% for scales over 100 bar
- Range of the scale: 300°
- List of available dials: see attached table

Options

- Absolute Calibration
- Vacuum drying of the manometric element
- Filling of the manometer element with buffer fluid: glycerin
- Security vent
- Index needle, only «Dry» and «Tight» version
- Collar in green, yellow, black etc. consult us
- Serialnumber printed on the dial
- Custom dial at the customer's request

Ø 60 Gauge, Composite, Dry/Oil-filled/Tight

Rear Connection



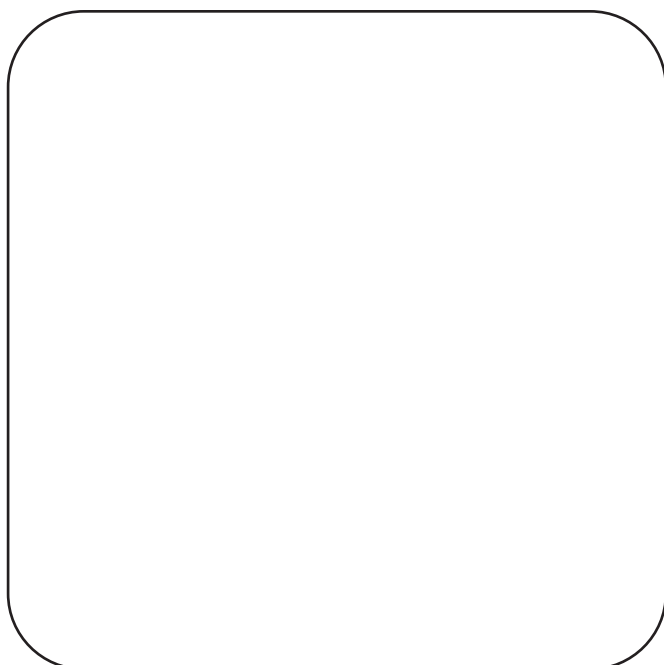
Dials

Industry

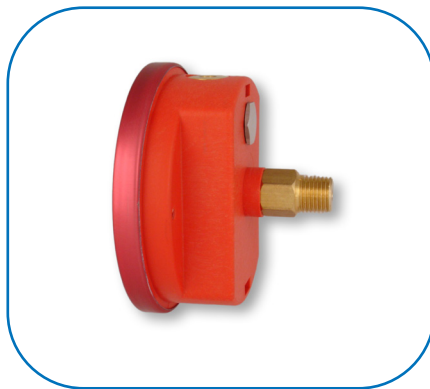
Laboratory

-1000 mbar + 0	8820
0 +1000 mbar P.Abs.	6089
-760 mmHG + 0	8361
-1000 + 1000mb	8360
-1 + 2 bar	8395
-1 + 3 bar	8785
-1 + 4 bar	8779
-1 + 5 bar	1218
-1 + 6 bar	8514
-1 + 8 bar	1220
-1 + 10 bar	8515
-1 + 16 bar	9139
-1 + 25 bar	1225
-1 + 30 bar	0030
-1 + 45 bar	2055
-1 + 50 bar	2056
0 + 1000 mbar	8761
0 + 2000 mbar	8355
0 + 2,5 bar	8317
0 + 3 bar	8626
0 + 4 bar	8350
0 + 5 bar	8464
0 + 6 bar	8463
0 + 8 bar	675
0 + 10 bar	8307
0 + 12 bar	676
0 + 15 bar	581
0 + 16 bar	8596
0 + 20 bar	2270
0 + 25 bar	8308
0 + 30 bar	8516
0 + 40 bar	668
0 + 50 bar	8517
0 + 60 bar	8309
0 + 80 bar	8419
0 + 100 bar	8351
0 + 120 bar	681
0 + 160 bar	9279
0 + 200 bar	8362
0 + 250 bar	8352
0 + 200 psi	2132
0 + 500 psi	2126
0 + 1500 psi	9028
0 + 2000 psi	8355

Vertical Connection



Ø 80 Gauge, Composite, Tight or Oil-filled



Construction features

- Connection: vertical or rear, brass
- Housing in reinforced composite material, blue, red or yellow
- Glass in Polymetacrylate
- Glass fixation: by collar (blue, red or yellow)
- Manometric element:
 - material: tombac
 - assembly: tin solder
- Zeroing screw accessible from the outside
- Brass amplifier mechanism
- Housing filled with silicone oil for the Oil-filled version

Threads

- M10x100 - 15x150 - 20x150
- 1/8 GAZ co.
- 1/4 GAZ cyl. - 3/8 GAZ cyl. - 1/2 GAZ cyl.
- 1/8 BRIGGS co. - 1/4 BRIGGS co. - 1/2 BRIGGS co.
- Other threads: contact us

Fixings

- By mounting bracket (surface mounting)
- By fastening clamp (through mounting)

Accessories

- Nut, socket & seal
- Anti-choc protection (gray, blue, red or yellow)
- Plastic storage case, with protective foam

Services

- Calibration or re-calibration with 6 point certificate, Retractable to a COFRAC or BELAC attached national standard.
- Repair Services

Technical specifications

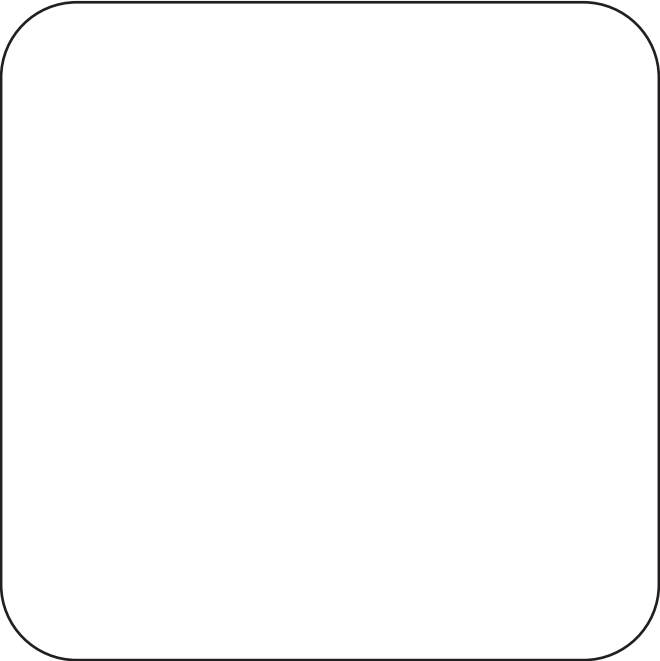
- Accuracy: $\pm 1\%$ end of scale: Class 1
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure:
 - 200% for scales below 50 bar
 - 150% for scales between 50 and 100 bar
 - 125% for scales over 100 bar
- Range of the scale: 300°
- List of available dials: see attached table

Options

- Absolute Calibration
- Vacuum drying of the manometric element
- Filling of the manometer element with buffer fluid: glycerin
- Security vent
- Index needle only «Dry» and «Tight» version
- Serialnumber printed on the dial
- Custom dial at the customer's request

Ø 80 Gauge, Composite, Dry/Oil-filled/Tight

Rear Connection



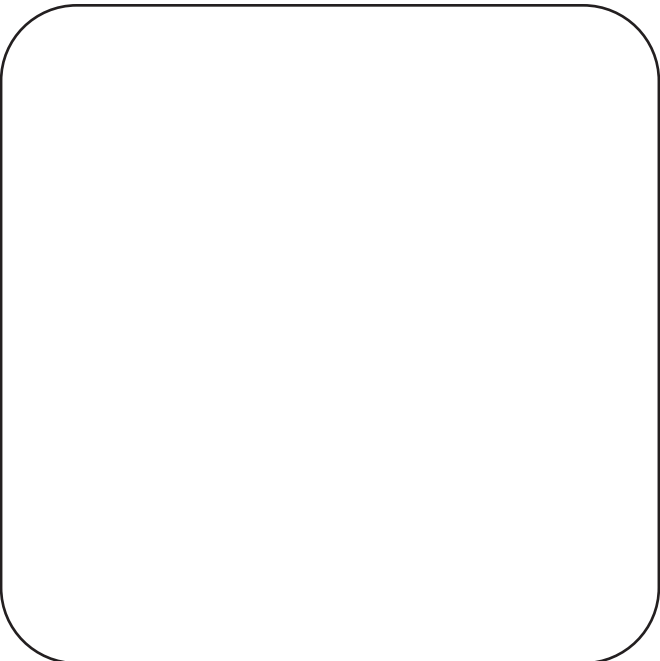
Dials

Industry

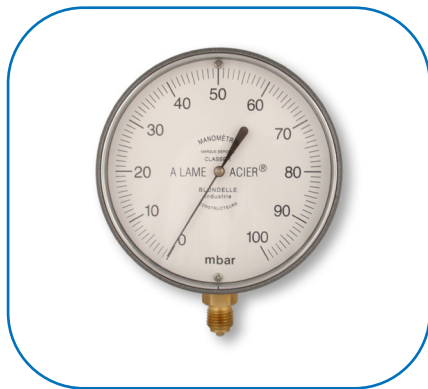
Laboratory

-1000 mbar + 0	6104
0 +1000 mbar P.Abs.	6090
-760 mmHg + 0	6100
-1 + 2 bar	8363
-1 +10 bar	8010
-1 +16 bar	6364
-1 +30 bar	8030
0 +4 bar	8237
0 +6 bar	8463
0 +10 bar	8439
0 +16 bar	8244
0 +25 bar	8443
0 +30 bar	3000
0 +40 bar	8527
0 +60 bar	8444
0 +80 bar	
0 +100 bar	
0 +160 bar	
0 +200 bar	
0 +250 bar	

Vertical Connection



Ø 100 Gauge, Aluminium, Low Pressure, Dry



Construction features

- Connection: vertical or rear, brass
- Light alloy case, hammered gray epoxy coating
- Glass Polymetacrylate
- Glass fixation: by cadmium steel ring
- Manometric element:
 - material: beryllium bronze
 - assembly: tin solder
- Zeroing screw accessible from the outside
- Brass amplifier mechanism

Threads

- M10x100 - 15x150 - 20x150
- 1/8 GAZ co.
- 1/4 GAZ cyl. - 3/8 GAZ cyl. - 1/2 GAZ cyl.
- 1/8 BRIGGS co. - 1/4 BRIGGS co. - 1/2 BRIGGS co.
- Other threads: contact us

Fixings

- By removable front collar (through mounting)

Accessories

- Nut, socket & seal
- Plastic storage case, with protective foam

Services

- Calibration or re-calibration with 6 point certificate, Retractable to a COFRAC or BELAC attached national standard.
- Repair Services

Technical specifications

- Accuracy: $\pm 1\%$ end of scale: Class 1
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure: 150%
- Range of the scale: 300°
- Available dials: from -200 mbar to + 200 mbar
- Other dials on demand

Options

- Vacuum drying of the manometric element
- Security vent
- Glass watertight and dustproof
- Index needle
- Serialnumber printed on the dial
- Custom dial at the customer's request

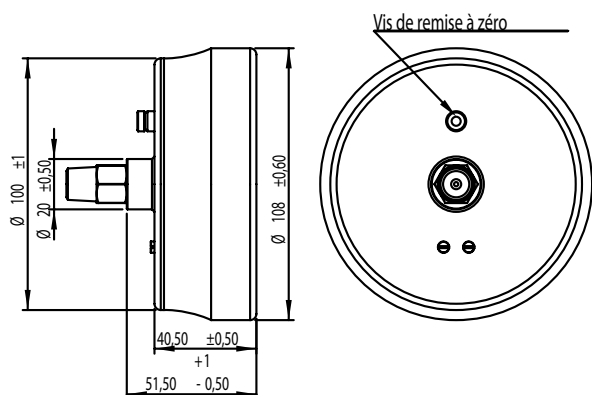
Ø 100 Gauge, Aluminium, Low Pressure, Dry

Rear Connection

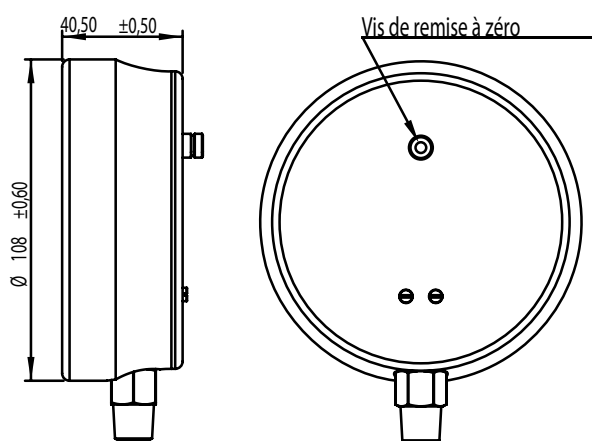
Dials

Industry

Laboratory



Vertical Connection



Ø 100 Gauge, Aluminium, Low Pressure, Tight



Construction features

- Connection: vertical or rear, brass
- Light alloy case, hammered gray epoxy coating
- Glass Polymetacrylate
- Glass fixation: by collar
- Manometric element:
 - material: beryllium bronze
 - assembly: tin solder
- Zeroing screw accessible from the outside
- Brass amplifier mechanism

Threads

- M10x100 - 15x150 - 20x150
- 1/8 GAZ co.
- 1/4 GAZ cyl. - 3/8 GAZ cyl. - 1/2 GAZ cyl.
- 1/8 BRIGGS co. - 1/4 BRIGGS co. - 1/2 BRIGGS co.
- Other threads: contact us

Fixings

- By fastening clamp (through mounting)

Accessories

- Nut, socket & seal
- Plastic storage case, with protective foam

Services

- Calibration or re-calibration with 6 point certificate, Retractable to a COFRAC or BELAC attached national standard.
- Repair Services

Technical specifications

- Accuracy: $\pm 1\%$ end of scale: Class 1
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure: 150%
- Range of the scale: 300 °
- Available dials: from -200 mbar to + 200 mbar
- Other dials on demand

Options

- Vacuum drying of the manometric element
- Security vent
- Index needle
- Serialnumber printed on the dial
- Custom dial at the customer's request

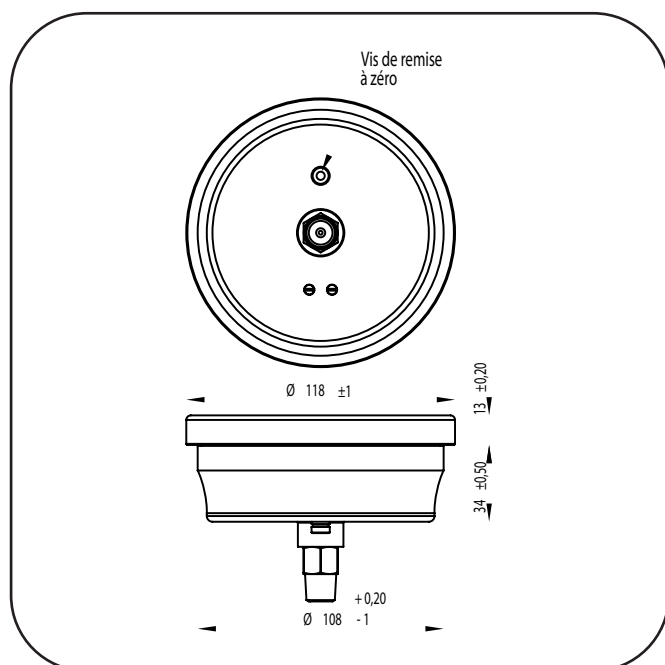
Ø 100 Gauge, Aluminium, Low Pressure, Tight

Rear Connection

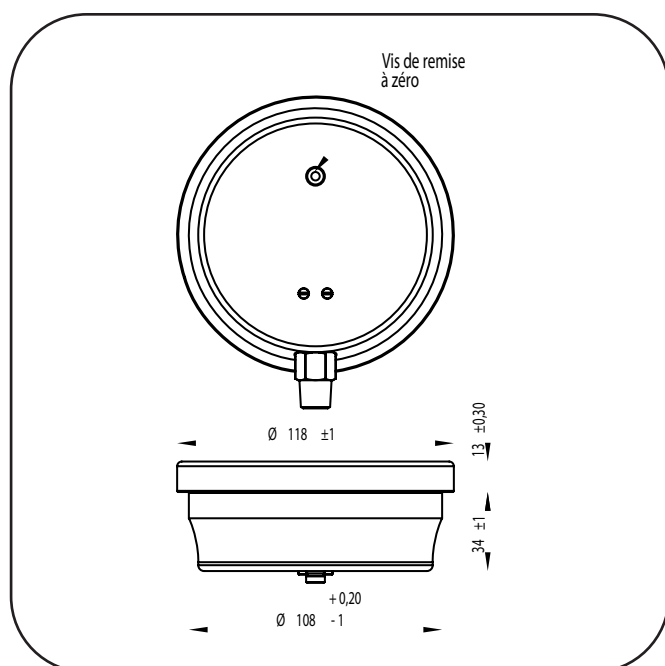
Dials

Industry

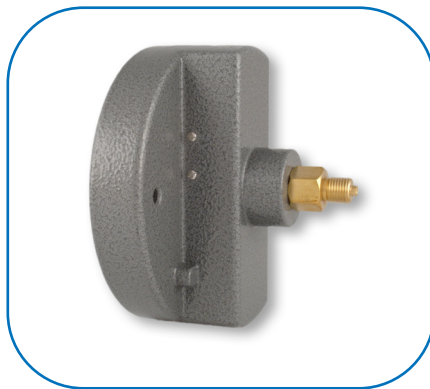
Laboratory



Vertical Connection



Ø 100 Gauge, Aluminium, Dry



Construction features

- Connection: vertical or rear, brass
- Light alloy case, hammered gray epoxy coating
- Glass Polymetacrylate
- Glass fixation: by cadmium steel ring
- Manometric element:
 - material: tombac
 - assembly: tin solder
- Zeroing screw accessible from the outside
- Brass amplifier mechanism

Threads

- M10x100 - 15x150 - 20x150
- 1/8 GAZ co.
- 1/4 GAZ cyl. - 3/8 GAZ cyl. - 1/2 GAZ cyl.
- 1/8 BRIGGS co. - 1/4 BRIGGS co. - 1/2 BRIGGS co.
- Other threads: contact us

Fixings

- By removable front collar (through mounting)
- By mounting bracket (surface mounting)

Accessories

- Nut, socket & seal
- Anti-choc protection (gray, blue or red), with or without hook
- Plastic storage case, with protective foam

Services

- Calibration or re-calibration with 6 point certificate, Retractable to a COFRAC or BELAC attached national standard.
- Repair Services

Technical specifications

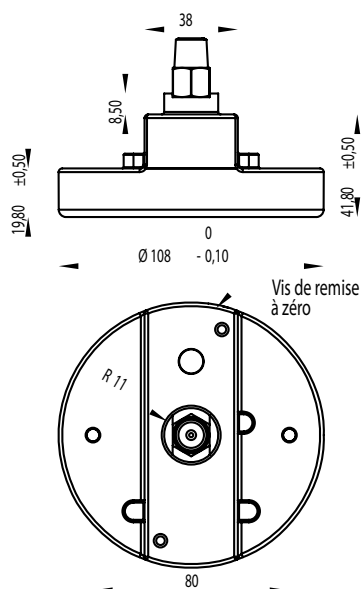
- Accuracy :
 - **Industry:** $\pm 1\%$ end of scale: Class 1
 - **Laboratory:** $\pm 1\%$ of reading (maximum scale 100 bar)
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure:
 - 200% for scales below 50 bar
 - 150% for scales between 50 and 100 bar
 - 125% for scales over 100 bar
- Range of the scale: 300°
- List of available dials: see attached table

Options

- Silver solder assembly (for temperatures above 70°C)
- Stainless version (max. Scale 60 bar)
Manometric element and all parts in contact with the fluid in stainless steel
- Absolute Calibration
- Oxygen version
- Vacuum drying of the manometric element
- Filling of the manometer element with buffer fluid: glycerin
- Security vent
- Zeroing screw equipped with knurled knob
- Glass watertight and dustproof
- Max indicator system by follower needle
- Index needle
- Overload stop
- Serialnumber printed on the dial
- Custom dial at the customer's request

Ø 100 Gauge, Aluminium, Dry

Rear Connection



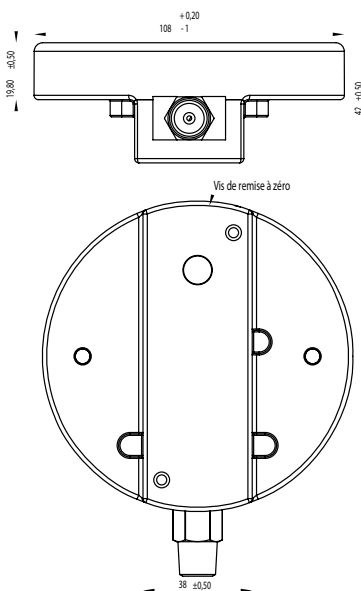
Dials

Industry

Laboratory

-760 mmHg + 0	9158	-760 mmHg + 1000 mbar	
-250 + 0 mbar	1175	-760 mmHg + 2000 mbar	
-500 mbar + 0	8526	-160 + 160 mbar	
-500 + 500 mbar	4024	-500 + 500 mbar	4024
-1000 mbar + 0	8357	-1000 mbar + 0	8357
-1000 + 1000 mbar	8332	-1000 + 1000 mbar	8332
-1000 + 2000 mbar	8333	-1000 + 2000 mbar	8333
-76 cmHg + 5 bar	8356	-1 + 3 bar	2554
-0,1 + 1,5 MPa	8220	-1 + 4 bar	8562
0 + 2,5 MPa	7986	-1 + 6 bar	2557
0 + 5 MPa	8221	-1 + 10 bar	9097
-1 + 0,3 bar	9135	-1 + 16 bar	8713
-1 + 3 bar	2554	-1 + 25 bar	8302
-1 + 4 bar	8562	0 + 250 mbar	8281
-1 + 5 bar	8303	0 + 500 mbar	8329
-1 + 6 bar	2557	0 + 1000 mbar	8270
-1 + 10 bar	9097	0 + 1500 mbar	9022
-1 + 16 bar	8713	0 + 2000 mbar	8451
-1 + 20 bar	7371	0 + 3000 mbar	9031
-1 + 25 bar	8302	0 + 4 bar	8331
-1 + 30 bar	1195	0 + 6 bar	8294
-1 + 40 bar	8546	0 + 10 bar	8266
-1 + 200 bar	4015	0 + 16 bar	8251
0 + 770 mmHg	2566	0 + 25 bar	8271
0 + 60 mbar	8214	0 + 60 bar	8260
0 + 100 mbar	3097	0 + 100 bar	8290
0 + 250 mbar	8281		
0 + 500 mbar	8329		
0 + 1000 mbar	8270		
0 + 1500 mbar	9022		
0 + 2000 mbar	8451		
0 + 3000 mbar	9031		
0 + 0,3 bar	1376		
0 + 2,5 bar	4023		
0 + 4 bar	8331		
0 + 5 bar	8324		
0 + 6 bar	8294		
0 + 8 bar	8295		
0 + 10 bar	8266		
0 + 12 bar	8296		
0 + 15 bar	8297		
0 + 16 bar	8251		
0 + 20 bar	8301		
0 + 25 bar	8271		
0 + 30 bar	8424		
0 + 40 bar	8447		
0 + 50 bar	8328		
0 + 60 bar	8260		
0 + 80 bar	9273		
0 + 100 bar	8290		
0 + 160 bar	8300		
0 + 180 bar	4016		
0 + 200 bar	8323		
0 + 250 bar	8291		
0 + 300 psi	6390		

Vertical Connection



Ø 100 Gauge, Aluminium, Oil-filled/Tight



Construction features

- Connection: vertical side or rear central brass
- Light alloy case, hammered gray epoxy coating
- Glass Polymetacrylate
- Glass fixation: by collar
- Manometric element:
 - material: tombac
 - assembly: tin solder
- Zeroing screw accessible from the outside
- Brass amplifier mechanism
- Housing filled with silicone oil for the Oil-filled version
- Security vent

Threads

- M10x100 - 15x150 - 20x150
- 1/8 GAZ co.
- 1/4 GAZ cyl. - 3/8 GAZ cyl. - 1/2 GAZ cyl.
- 1/8 BRIGGS co. - 1/4 BRIGGS co. - 1/2 BRIGGS co.
- Other threads: contact us

Fixations

- By mounting bracket (surface mounting)
- By fastening clamp (through mounting)

Accessories

- Nut, socket & seal
- Plastic storage case, with protective foam

Services

- Calibration or re-calibration with 6 point certificate, Retractable to a COFRAC or BELAC attached national standard.
- Repair Services

Technical specifications

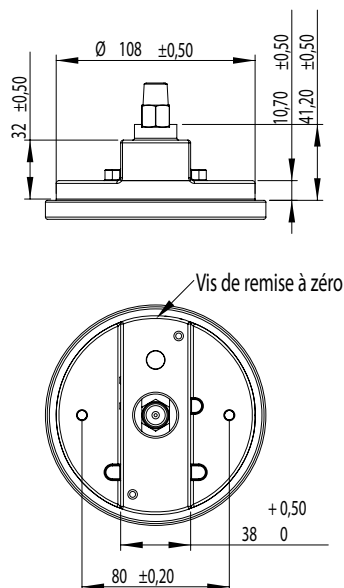
- Accuracy:
 - **Industry:** $\pm 1\%$ end of scale: Class 1
 - **Laboratory:** $\pm 1\%$ of reading (only in «Tight» version)
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure:
 - 200% for scales below 50 bar
 - 150% for scales between 50 and 100 bar
 - 125% for scales over 100 bar
- Range of the scale: 300°
- List of available dials: see attached table

Options

- Silver solder assembly (for temperatures above 70°C)
- Stainless version (max. Scale 60 bar)
Manometric element and all parts in contact with the fluid in stainless steel
- Absolute Calibration
- Oxygen version
- Vacuum drying of the manometric element
- Filling of the manometer element with buffer fluid: glycerine, only «Industry» type
- Zeroing screw equipped with knurled knob
- Maximum indicator system with follower needle, only for type «Industry, Tight»
- Index needle, only for type «Industry, Tight»
- Overload stop
- Serialnumber printed on the dial
- Custom dial at the customer's request

Ø 100 Gauge, Aluminium, Oil-filled/Tight

Rear Connection



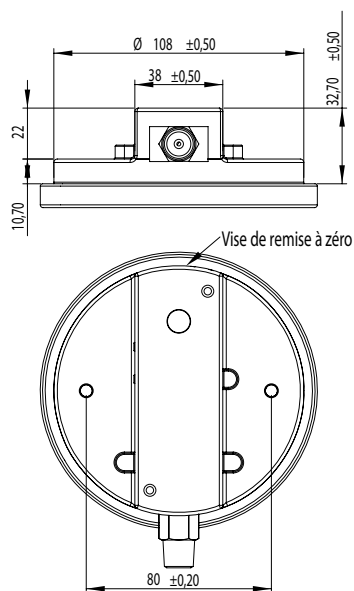
Dials

Industry

Laboratory

-760 mmHg + 0	9158	-760 mmHg + 1000 mbar	
-250 + 0 mbar	1175	-760 mmHg + 2000 mbar	
-500 mbar + 0	8526	-160 + 160 mbar	
-500 + 500 mbar	4024	-500 + 500 mbar	4024
-1000 mbar + 0	8357	-1000 mbar + 0	8357
-1000 + 1000 mbar	8332	-1000 + 1000 mbar	8332
-1000 + 2000 mbar	8333	-1000 + 2000 mbar	8333
-76 cmHg + 5 bar	8356	-1 + 3 bar	2554
-0,1 + 1,5 MPa	8220	-1 + 4 bar	8562
0 + 2,5 MPa	7986	-1 + 6 bar	2557
0 + 5 MPa	8221	-1 + 10 bar	9097
-1 + 0,3 bar	9135	-1 + 16 bar	8713
-1 + 3 bar	2554	-1 + 25 bar	8302
-1 + 4 bar	8562	0 + 250 mbar	8281
-1 + 5 bar	8303	0 + 500 mbar	8329
-1 + 6 bar	2557	0 + 1000 mbar	8270
-1 + 10 bar	9097	0 + 1500 mbar	9022
-1 + 16 bar	8713	0 + 2000 mbar	8451
-1 + 20 bar	7371	0 + 3000 mbar	9031
-1 + 25 bar	8302	0 + 4 bar	8331
-1 + 30 bar	1195	0 + 6 bar	8294
-1 + 40 bar	8546	0 + 10 bar	8266
-1 + 200 bar	4015	0 + 16 bar	8251
0 + 770 mmHg	2566	0 + 25 bar	8271
0 + 60 mbar	8214	0 + 60 bar	8260
0 + 100 mbar	3097	0 + 100 bar	8290
0 + 250 mbar	8281		
0 + 500 mbar	8329		
0 + 1000 mbar	8270		
0 + 1500 mbar	9022		
0 + 2000 mbar	8451		
0 + 3000 mbar	9031		
0 + 0,3 bar	1376		
0 + 2,5 bar	4023		
0 + 4 bar	8331		
0 + 5 bar	8324		
0 + 6 bar	8294		
0 + 8 bar	8295		
0 + 10 bar	8266		
0 + 12 bar	8296		
0 + 15 bar	8297		
0 + 16 bar	8251		
0 + 20 bar	8301		
0 + 25 bar	8271		
0 + 30 bar	8424		
0 + 40 bar	8447		
0 + 50 bar	8328		
0 + 60 bar	8260		
0 + 80 bar	9273		
0 + 100 bar	8290		
0 + 160 bar	8300		
0 + 180 bar	4016		
0 + 200 bar	8323		
0 + 250 bar	8291		
0 + 300 psi	6390		

Vertical Connection



Ø 100 Gauge, Composite, Dry/Oil-filled/Tight



Construction features

- Connection: vertical side or rear central brass
- Housing in reinforced composite material, blue, red or yellow
- Glass Polymetacrylate
- Glass fixation: by collar
- Manometric element:
 - material: tombac
 - assembly: tin solder
- Zeroing screw accessible from the outside
- Brass amplifier mechanism
- Housing filled with silicone oil for the Oil-filled version
- Security vent

Threads

- M10x100 - 15x150 - 20x150
- 1/8 GAZ co.
- 1/4 GAZ cyl. - 3/8 GAZ cyl. - 1/2 GAZ cyl.
- 1/8 BRIGGS co. - 1/4 BRIGGS co. - 1/2 BRIGGS co.
- Other threads: contact us

Fixations

- By mounting bracket (surface mounting)
- By fastening clamp (through mounting)

Accessories

- Nut, socket & seal
- Plastic storage case, with protective foam

Services

- Calibration or re-calibration with 6 point certificate, Retractable to a COFRAC or BELAC attached national standard.
- Repair Services

Technical specifications

- Accuracy:
 - **Industry:** $\pm 1\%$ end of scale: Class 1
 - **Laboratory:** $\pm 1\%$ of reading (only in «Tight» version)
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure:
 - 200% for scales below 50 bar
 - 150% for scales between 50 and 100 bar
 - 125% for scales over 100 bar
- Range of the scale: 300°
- List of available dials: see attached table

Options

- Silver solder assembly (for temperatures above 70°C)
- Stainless version (max. Scale 60 bar)
Manometric element and all parts in contact with the fluid in stainless steel
- Absolute Calibration
- Oxygen version
- Vacuum drying of the manometric element
- Filling of the manometer element with buffer fluid: glycerine, only «Industry» type
- Zeroing screw equipped with knurled knob
- Maximum indicator system with follower needle, only for type «Industry, Dry/Tight»
- Index needle, only for type «Dry/Tight»
- Overload stop
- Serialnumber printed on the dial
- Custom dial at the customer's request

Ø 100 Gauge, Composite, Dry/Oil-filled/Tight

Rear Connection

Dials

Industry

Laboratory

-760 mmHg + 0	9158	-760 mmHg + 1000 mbar	
-250 + 0 mbar	1175	-760 mmHg + 2000 mbar	
-500 mbar + 0	8526	-160 + 160 mbar	
-500 + 500 mbar	4024	-500 + 500 mbar	4024
-1000 mbar + 0	8357	-1000 mbar + 0	8357
-1000 + 1000 mbar	8332	-1000 + 1000 mbar	8332
-1000 + 2000 mbar	8333	-1000 + 2000 mbar	8333
-76 cmHg + 5 bar	8356	-1 + 3 bar	2554
-0,1 + 1,5 MPa	8220	-1 + 4 bar	8562
0 + 2,5 MPa	7986	-1 + 6 bar	2557
0 + 5 MPa	8221	-1 + 10 bar	9097
-1 + 0,3 bar	9135	-1 + 16 bar	8713
-1 + 3 bar	2554	-1 + 25 bar	8302
-1 + 4 bar	8562	0 + 250 mbar	8281
-1 + 5 bar	8303	0 + 500 mbar	8329
-1 + 6 bar	2557	0 + 1000 mbar	8270
-1 + 10 bar	9097	0 + 1500 mbar	9022
-1 + 16 bar	8713	0 + 2000 mbar	8451
-1 + 20 bar	7371	0 + 3000 mbar	9031
-1 + 25 bar	8302	0 + 4 bar	8331
-1 + 30 bar	1195	0 + 6 bar	8294
-1 + 40 bar	8546	0 + 10 bar	8266
-1 + 200 bar	4015	0 + 16 bar	8251
0 + 770 mmHg	2566	0 + 25 bar	8271
0 + 60 mbar	8214	0 + 60 bar	8260
0 + 100 mbar	3097	0 + 100 bar	8290
0 + 250 mbar	8281		
0 + 500 mbar	8329		
0 + 1000 mbar	8270		
0 + 1500 mbar	9022		
0 + 2000 mbar	8451		
0 + 3000 mbar	9031		
0 + 0,3 bar	1376		
0 + 2,5 bar	4023		
0 + 4 bar	8331		
0 + 5 bar	8324		
0 + 6 bar	8294		
0 + 8 bar	8295		
0 + 10 bar	8266		
0 + 12 bar	8296		
0 + 15 bar	8297		
0 + 16 bar	8251		
0 + 20 bar	8301		
0 + 25 bar	8271		
0 + 30 bar	8424		
0 + 40 bar	8447		
0 + 50 bar	8328		
0 + 60 bar	8260		
0 + 80 bar	9273		
0 + 100 bar	8290		
0 + 160 bar	8300		
0 + 180 bar	4016		
0 + 200 bar	8323		
0 + 250 bar	8291		
0 + 300 psi	6390		

Vertical Connection



PANIMPEX

Measurement Solutions 18

Ø 150 Gauge, Aluminium, Dry



Construction features

- Connection: vertical or rear, brass
- Light alloy case, hammered gray epoxy coating
- Glass in Polymetacrylate
- Glass fixation: by cadmium steel ring
- Manometric element:
 - material: tombac
 - assembly: tin solder
- Zeroing screw accessible from the outside
- Brass amplifier mechanism

Threads

- M10x100 - 15x150 - 20x150
- 1/8 GAZ co.
- 1/4 GAZ cyl. - 3/8 GAZ cyl. - 1/2 GAZ cyl.
- 1/8 BRIGGS co. - 1/4 BRIGGS co. - 1/2 BRIGGS co.
- Other threads: contact us

Fixings

- By removable front collar (through mounting)
- By mounting bracket (surface mounting)

Accessories

- Nut, socket & seal
- Anti-choc protection, with or without hook
- Plastic storage case, with protective foam

Services

- Calibration or re-calibration with 6 point certificate, Retractable to a COFRAC or BELAC attached national standard.
- Repair Services

Technical specifications

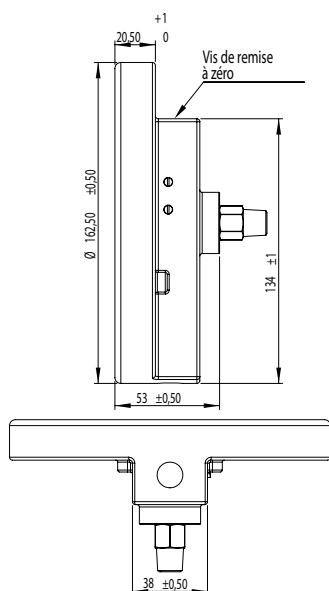
- Accuracy :
 - **Industry:** $\pm 1\%$ end of scale: Class 1
 - **Laboratory:** $\pm 1\%$ of reading (maximum scale 100 bar)
 - **Verification:** $\pm 0.5\%$ of reading (maximum scale 50 bar)
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure:
 - 200% for scales below 50 bar
 - 150% for scales between 50 and 100 bar
 - 125% for scales over 100 bar
- Range of the scale: 300°
- List of available dials: see attached table

Options

- Silver solder assembly (for temperatures above 70°C)
- Stainless version (max. scale 60 bar)
Manometric element and all parts in contact with the fluid in stainless steel
- Absolute Calibration
- Oxygen version
- Vacuum drying of the manometric element
- Filling of the pressure element with buffer fluid: glycerin, only for type «Industry»
- Security vent
- Zeroing screw equipped with knurled knob
- Glass watertight and dustproof
- Indicator system of maximum by follower needle (only in type «Industry»)
- Real Glass
- Index needle
- Overload stop
- Serialnumber printed on the dial
- Custom dial at the customer's request

Ø 150 Gauge, Aluminium, Dry

Rear Connection



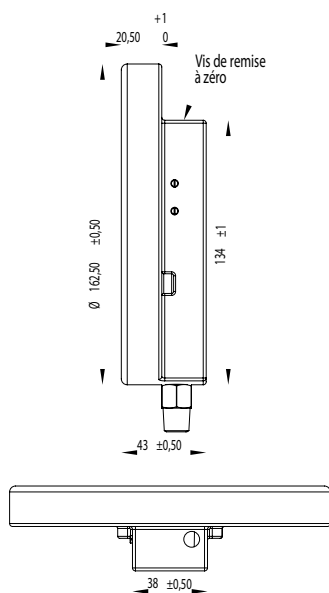
Dials

Industry

Laboratory

-760 mmHg +0		-770 mmHg + 0	
-760 mmHg + 500mbar		-760 mmHg + 1000 mbar	
-760 mmHg + 1000 mbar		-760 mmHg + 2000 mbar	
0 + 760 mmHg		-250 mbar +0	
-1000 mbar +0	9252	-500 mbar + 0	
-1000 + 1000 mbar	8334	-1000 mbar +0	9252
-1000 + 2000 mbar	8335	-500 + 500 mbar	
-1 + 3 bar	1555	-1000 + 1000 mbar	8334
-1 + 5 bar	1557	-1000 + 2000 mbar	8335
-1 + 6 bar	1558	-1 + 3 bar	1555
-1 + 10 bar	1560	-1 + 6 bar	1558
-1 + 16 bar	8339	-1 + 10 bar	1560
0 + 250 mbar	6589	-1 + 16 bar	8339
0 + 500 mbar	1280	0 + 760 mmHg	
0 + 500 mbar & psi	6968	0 + 250 mbar	6589
0 + 1000 mbar	1589	0 + 500 mbar	1280
0 + 1500 mbar	1430	0 + 500 mbar & psi	6968
0 + 2000 mbar	1441	0 + 500 mbar SNCF	5929
0 + 2000 mbar & psi	6949	0 + 1000 mbar	1589
0 + 3000 mbar	1588	0 + 1500 mbar	1430
0 + 3000 mbar & psi	6969	0 + 2000 mbar	1441
0 + 2 bar & psi	8050	0 + 3000 mbar	5865
0 + 4 bar	1481	0 + 3000 mbar SNCF	9243
0 + 5 bar	1482	0 + 4 bar	1481
0 + 6 bar	8338	0 + 6 bar	8338
0 + 10 bar	8354	0 + 10 bar	8354
0 + 12 bar	1486	0 + 10 bar SNCF	5923
0 + 16 bar	8085	0 + 16 bar	8085
0 + 16 bar & psi	9186	0 + 16 bar SNCF	5922
0 + 20 bar	1488	0 + 25 bar	8337
0 + 25 bar	8337	0 + 40 bar	1491
0 + 30 bar	1490	0 + 60 bar	1493
0 + 40 bar	1491	0 + 100 bar	1495
0 + 50 bar	1492		
0 + 60 bar	1493		
0 + 80 bar			
0 + 100 bar	1495		
0 + 160 bar	1497		
0 + 200 bar	1498		
0 + 250 bar	6409		
0 + 250 psi			

Vertical Connection



Ø 150 Gauge, Aluminium, Oil-filled/Tight



Construction features

- Connection: vertical or rear, brass
- Light alloy case, hammered gray epoxy coating
- Glass Polymetacrylate
- Glass fastening by collar
- Manometric element:
 - material: tombac
 - assembly: tin solder
- Zeroing screw accessible from the outside
- Brass amplifier mechanism
- Housing filled with silicone oil for the Oil-filled version
- Security vent

Threads

- M10x100 - 15x150 - 20x150
- 1/8 GAZ co.
- 1/4 GAZ cyl. - 3/8 GAZ cyl. - 1/2 GAZ cyl.
- 1/8 BRIGGS co. - 1/4 BRIGGS co. - 1/2 BRIGGS co.
- Other threads: contact us

Fixings

- By mounting bracket (surface mounting)
- By fastening clamp (through mounting)

Accessories

- Nut, socket & seal
- Plastic storage case, with protective foam

Services

- Calibration or re-calibration with 6 point certificate, Retractable to a COFRAC or BELAC attached national standard.
- Repair Services

Technical specifications

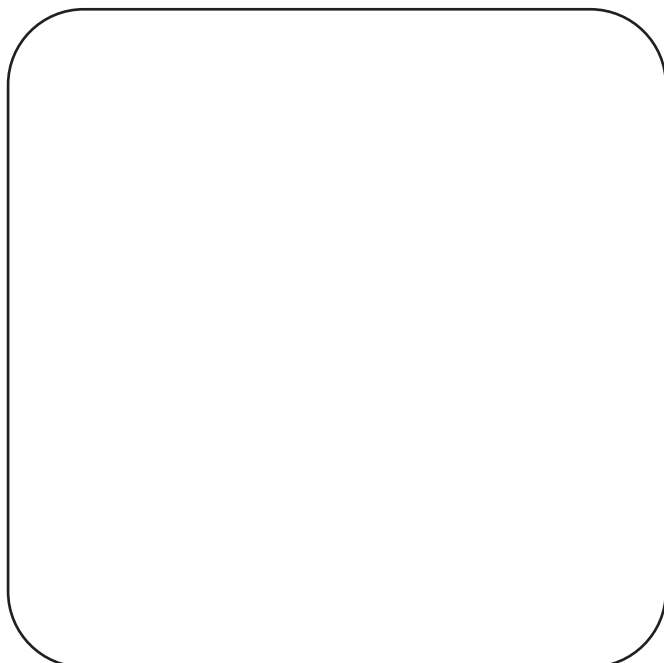
- Accuracy :
 - **Industry:** $\pm 1\%$ end of scale: Class 1
 - **Laboratory:** $\pm 1\%$ of reading (maximum scale 100 bar)
 - **Verification:** $\pm 0.5\%$ of reading (maximum scale 50 bar)
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure:
 - 200% for scales below 50 bar
 - 150% for scales between 50 and 100 bar
 - 125% for scales over 100 bar
- Range of the scale: 300 °
- List of available dials: see attached table

Options

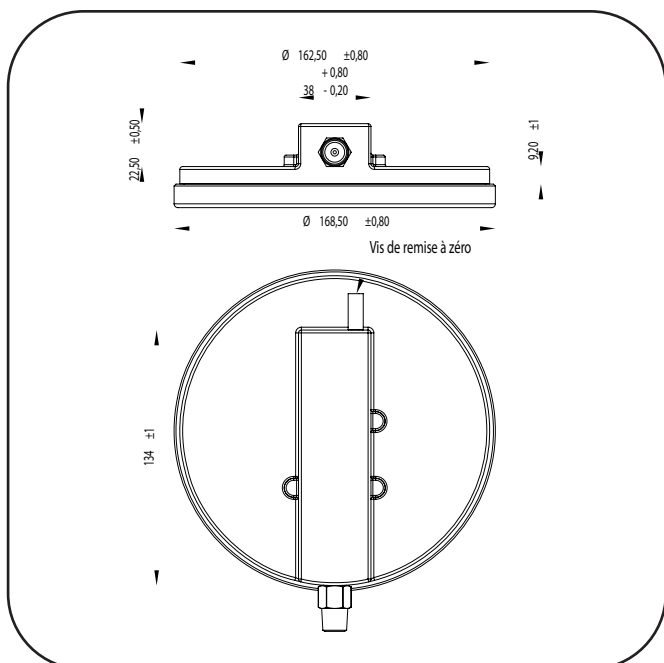
- Silver solder assembly (for temperatures above 70°C)
- Stainless version (max. scale 60 bar)
Manometric element and all parts in contact with the fluid in stainless steel
- Absolute Calibration
- Oxygen version (only in version «Tight»)
- Vacuum drying of the manometric element
- Filling of the pressure element with buffer fluid: glycerin, only type «Industry»
- Security vent
- Zeroing screw equipped with knurled knob (only in version «Tight»)
- Maximum indicator system by follower needle (only in type «Industry» version «Tight»)
- Index needle (only in version «Tight»)
- Overload stop
- Serialnumber printed on the dial
- Custom dial at the customer's request

Ø 150 Gauge, Aluminium, Oil-filled/Tight

Rear Connection



Vertical Connection



Dials

Industry

-760 mmHg +0
 -760 mmHg + 500mbar
 -760 mmHg + 1000 mbar
 0 + 760 mmHg
 -1000 mbar +0
 -1000 + 1000 mbar
 -1000 + 2000 mbar
 -1 + 3 bar
 -1 + 5 bar
 -1 + 6 bar
 -1 + 10 bar
 -1 + 16 bar
 0 + 250 mbar
 0 + 500 mbar
 0 + 500 mbar & psi
 0 + 1000 mbar
 0 + 1500 mbar
 0 + 2000 mbar
 0 + 2000 mbar & psi
 0 + 3000 mbar
 0 + 3000 mbar & psi
 0 + 2 bar & psi
 0 + 4 bar
 0 + 5 bar
 0 + 6 bar
 0 + 10 bar
 0 + 12 bar
 0 + 16 bar
 0 + 16 bar & psi
 0 + 20 bar
 0 + 25 bar
 0 + 30 bar
 0 + 40 bar
 0 + 50 bar
 0 + 60 bar
 0 + 80 bar
 0 + 100 bar
 0 + 160 bar
 0 + 200 bar
 0 + 250 bar
 0 + 250 psi

9252

8334

8335

1555

1557

1558

1560

8339

6589

1280

6968

1589

1430

1441

6949

1588

6969

8050

1481

1482

8338

8354

1486

8085

9186

1488

8337

1490

1491

1492

1493

1495

1497

1498

6409

Laboratory

-770 mmHg + 0
 -760 mmHg + 1000 mbar
 -760 mmHg + 2000 mbar
 -250 mbar +0
 -500 mbar + 0
 -1000 mbar +0
 -500 + 500 mbar
 -1000 + 1000 mbar
 -1000 + 2000 mbar
 -1 + 3 bar
 -1 + 6 bar
 -1 + 10 bar
 -1 + 16 bar
 0 + 760 mmHg
 0 + 250 mbar
 0 + 500 mbar
 0 + 500 mbar & psi
 0 + 500 mbar SNCF
 0 + 1000 mbar
 0 + 1500 mbar
 0 + 2000 mbar
 0 + 3000 mbar
 0 + 3000 mbar SNCF
 0 + 4 bar
 0 + 6 bar
 0 + 10 bar
 0 + 16 bar
 0 + 16 bar SNCF
 0 + 25 bar
 0 + 40 bar
 0 + 60 bar
 0 + 100 bar

9252

8334

8335

1555

1558

1560

8339

6589

1280

6968

5929

1589

1430

1441

5865

9243

1481

8338

8354

8085

5922

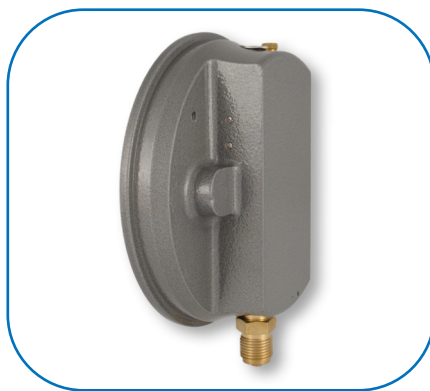
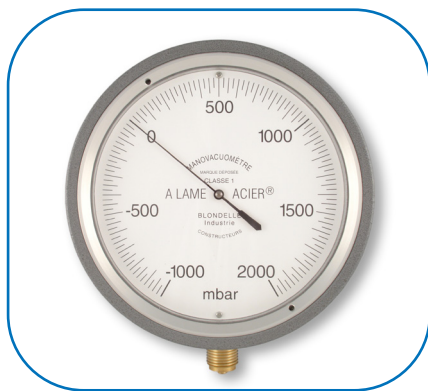
8337

1491

1493

1495

Ø 180 Gauge, Aluminium, Tight



Construction features

- Connection: vertical or rear, brass
- Light alloy case, hammered gray epoxy coating
- Glass Polymetacrylate
- Glass fixation: by collar
- Manometric element:
 - material: tombac
 - assembly: tin solder
- Zeroing screw accessible from the outside
- Brass amplifier mechanism
- Security vent

Threads

- M10x100 - 15x150 - 20x150
- 1/8 GAZ co.
- 1/4 GAZ cyl. - 3/8 GAZ cyl. - 1/2 GAZ cyl.
- 1/8 BRIGGS co. - 1/4 BRIGGS co. - 1/2 BRIGGS co.
- Other threads: contact us

Fixings

- By mounting bracket (surface mounting)
- By fastening clamp (through mounting)

Accessories

- Nut, socket & seal
- Plastic storage case, with protective foam

Services

- Calibration or re-calibration with 6 point certificate, Retractable to a COFRAC or BELAC attached national standard.
- Repair Services

Technical specifications

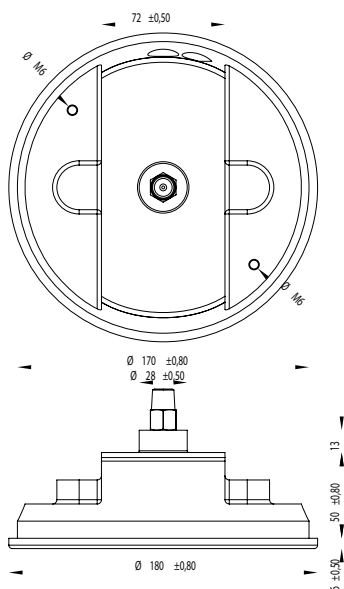
- Accuracy :
 - **Industry:** $\pm 1\%$ end of scale: Class 1
 - **Laboratory:** $\pm 1\%$ of reading (maximum scale 100 bar)
 - **Verification:** $\pm 0.5\%$ of reading (maximum scale 50 bar)
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure:
 - 200% for scales below 50 bar
 - 150% for scales between 50 and 100 bar
 - 125% for scales over 100 bar
- Range of the scale: 300 °
- List of available dials: see attached table

Options

- Silver solder assembly (for temperatures above 70°C)
- Stainless version (max. scale 60 bar)
Manometric element and all parts in contact with the fluid in stainless steel
- Absolute Calibration
- Oxygen version
- Vacuum drying of the manometric element
- Filling of the pressure element with buffer fluid: glycerin, only type «Industry»
- Security event
- Zeroing screw equipped with knurled knob
- Maximum indicator system by follower needle, only type «Industry»
- Index needle
- Overload stop
- Serialnumber printed on the dial
- Custom dial at the customer's request

Ø 180 Gauge, Aluminium, Tight

Rear Connection



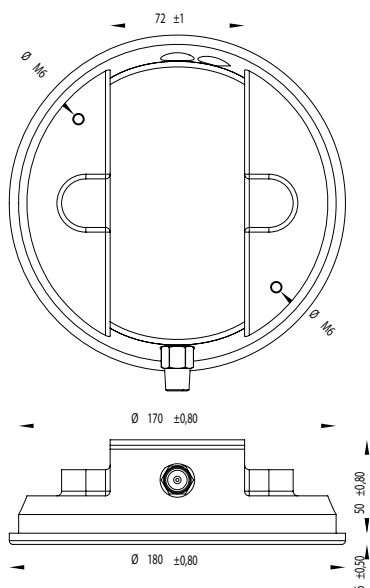
Dials

Industry

Laboratory

-760 mmHg +0		-770 mmHg + 0	
-760 mmHg + 500mbar		-760 mmHg + 1000 mbar	
-760 mmHg + 1000 mbar		-760 mmHg + 2000 mbar	
0 + 760 mmHg		-100 mbar +0	8654
-100mbar +0	8654	-250 mbar +0	
-1000 mbar +0	9252	-500 mbar + 0	9252
-1000 + 1000 mbar	8334	-1000 mbar +0	
-1000 + 2000 mbar	8335	-500 + 500 mbar	8334
-1 + 3 bar	1555	-1000 + 1000 mbar	8335
-1 + 5 bar	1557	-1000 + 2000 mbar	1555
-1 + 6 bar	1558	-1 + 3 bar	1558
-1 + 10 bar	1560	-1 + 6 bar	1560
-1 + 16 bar	8339	-1 + 10 bar	8339
0 + 250 mbar	6589	-1 + 16 bar	
0 + 500 mbar	1280	0 + 760 mmHg	6589
0 + 500 mbar & psi	6968	0 + 250 mbar	1280
0 + 1000 mbar	1589	0 + 500 mbar	6968
0 + 1500 mbar	1430	0 + 500 mbar & psi	5929
0 + 2000 mbar	1441	0 + 500 mbar SNCF	1589
0 + 2000 mbar & psi	6949	0 + 1000 mbar	1430
0 + 3000 mbar	1588	0 + 1500 mbar	1441
0 + 3000 mbar & psi	6969	0 + 2000 mbar	5865
0 + 2 bar & psi	8050	0 + 3000 mbar	9243
0 + 4 bar	1481	0 + 3000 mbar SNCF	1481
0 + 5 bar	1482	0 + 4 bar	8338
0 + 6 bar	8338	0 + 6 bar	8354
0 + 10 bar	8354	0 + 10 bar	8085
0 + 12 bar	1486	0 + 16 bar	5922
0 + 16 bar	8085	0 + 16 bar SNCF	8337
0 + 16 bar & psi	9186	0 + 25 bar	1491
0 + 20 bar	1488	0 + 40 bar	1493
0 + 25 bar	8337	0 + 60 bar	1495
0 + 30 bar	1490	0 + 100 bar	
0 + 40 bar	1491		
0 + 50 bar	1492		
0 + 60 bar	1493		
0 + 80 bar			
0 + 100 bar	1495		
0 + 160 bar	1497		
0 + 200 bar	1498		
0 + 250 bar	6409		
0 + 250 psi			

Vertical Connection



Dynamometer, Compression & Traction



Construction features

- Hydraulic hose connection: vertical or rear
- Light alloy case, hammered gray epoxy coating
- Glass in Polymetacrylate
- Manometric element:
 - material: tombac
 - assembly: tin solder
- Zeroing screw accessible from the outside
- Brass amplifier mechanism
- Anodized aluminum or nickel-plated steel sensor.
- Hydraulic sensor connection: mini hydraulic hose Ø 6
- Filling fluid: silicone oil
- Diameter of the dial of gauge:
 - 60 mm
 - 100 mm
 - 150 mm
- The case of the gauge can be on request in the three dimensions mentioned either in version «Dry» or «Tight»
- Standard hydraulic hose length: 1m

Accessories

- Plastic storage case, with protective foam

Services

- Calibration or re-calibration with 6 point certificate, Retractable to a COFRAC or BELAC attached national standard.
- Repair Services

Technical specifications

- Accuracy: $\pm 1\%$ end of scale range (Class 1)
- Range of scale: 300°
- Accidental overload:
 - 125% for scales above 2500 daN
 - 150% for scales less than 2500 daN

Range of dials:

- **Compression:**
 - 100 to 250 daN Sensor Ø 60
 - 500 to 1500 daN Sensor Ø 75
 - 2000 to 5000 daN Sensor Ø 89
 - 10000 daN Sensor Ø 119
- **Traction:**
 - 100 to 250 daN Sensor Ø 69
 - 500 to 1500 daN Sensor Ø 89
 - 2000 to 5000 daN Sensor Ø 119
 - 10000 daN Sensor Ø 128

Options

- Max indicator system by follower needle
- Index needle
- Hydraulic hose length on demand
- Direct socket (reader assembled directly on the sensor)
- Units of measurement in daN or kgF
- Serialnumber printed on the dial
- Custom dial at the customer's request

Rear Connection

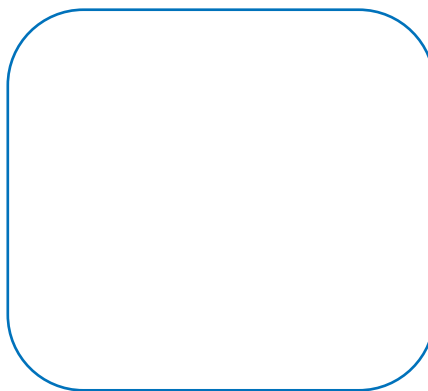
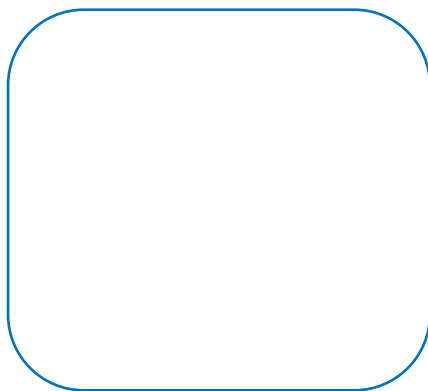
Dials

Industry

Laboratory

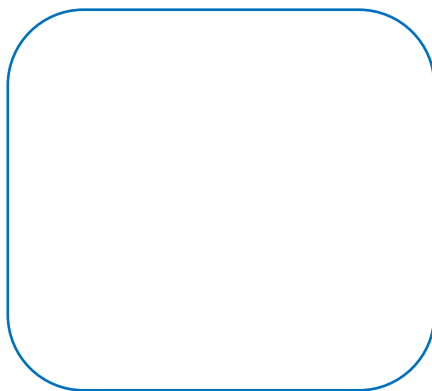
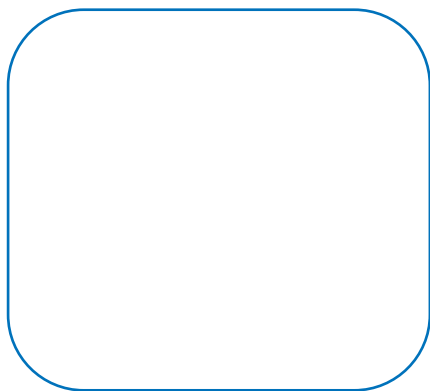
Vertical Connection

Typical References



Base code	Diameter	Material	Type	Precision Class	Version	Bellow	Option
MA0103	D60	Aluminium	Industry	Class 1	Dry		
MA0301	D60	Aluminium	Industry	Class 1	Tight		
MA0501	D60	Aluminium	Industry	Class 1	Oil-filled		
MA0303	D80	Composite	Industry	Class 1	Tight		
MA0107	D100	Aluminium	Industry	Class 1	Dry		
MA0203	D100	Aluminium	Industry	Class 1	Dry		Pressure Release Valve
MA0305	D100	Aluminium	Industry	Class 1	Tight		
MA0403	D100	Aluminium	Industry	Class 1	Tight		Anti-Pulse Mechanism
MA0505	D100	Aluminium	Industry	Class 1	Oil-filled		
MA0108	D100	Aluminium	Industry	Class 1	Dry	Stainless Steel	316L
MA0306	D100	Aluminium	Industry	Class 1	Tight	Stainless Steel	316L
MA0506	D100	Aluminium	Industry	Class 1	Oil-filled	Stainless Steel	316L
MA1102	D100	Aluminium	Laboratory	1% of Reading	Dry	Stainless Steel	316L
MA1201	D100	Aluminium	Laboratory	1% of Reading	Tight		
MA1202	D100	Aluminium	Laboratory	1% of Reading	Tight	Stainless Steel	316L
MA1601	D100	Aluminium	Differential	Class 2	Tight		Differential Pressure
MA0109	D150	Aluminium	Industry	Class 1	Dry		
MA0309	D150	Aluminium	Industry	Class 1	Tight		
MA0509	D150	Aluminium	Industry	Class 1	Oil-filled		
MA1103	D150	Aluminium	Laboratory	1% of Reading	Dry		
MA1301	D150	Aluminium	Verification	0,5% of Reading	Dry		«SNCF»
MA1303	D150	Aluminium	Verification	0,5% of Reading	Tight		
MA1305	D150	Aluminium	Verification	Class 0,5	Tight		
MA1502	D180	Aluminium	Absolute	Class 1	Tight	Stainless Steel	316L - Absolute Pressure

Accessories



Accessories



Measurement Solutions

