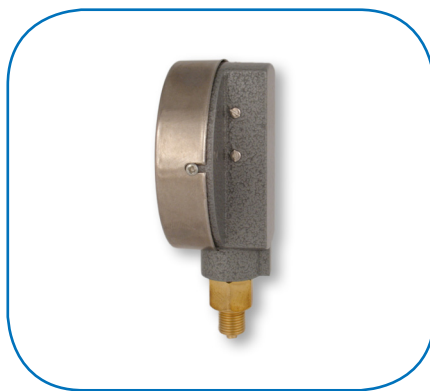
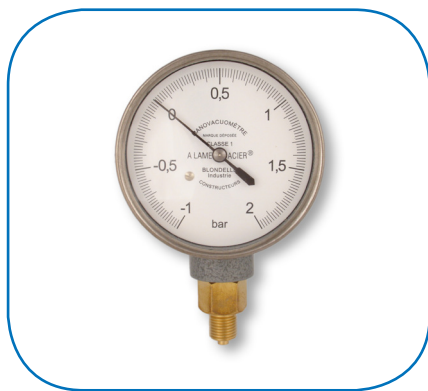


PANIMPEX BLONDELLE INDUSTRY 2020

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

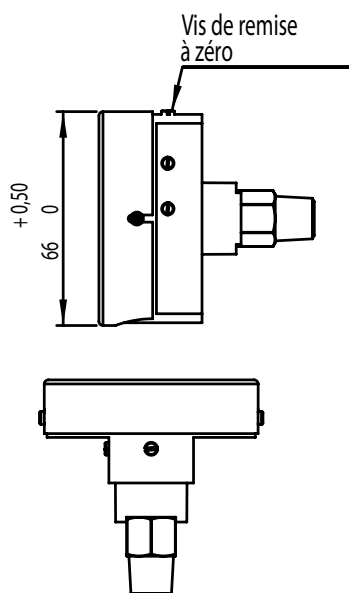
- Accuracy: $\pm 1\%$ end of scale: Class 1
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure
 - 200% for scales below 50 bar
 - 150% for scales between 50 and 100 bar
 - 125% for scales over 100 bar
- Range of the scale: 300°
- List of available dials: see attached table

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



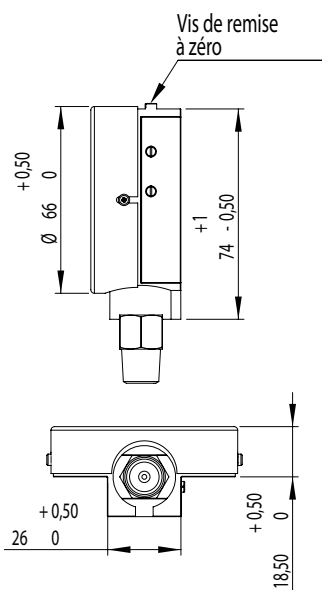
Dials

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

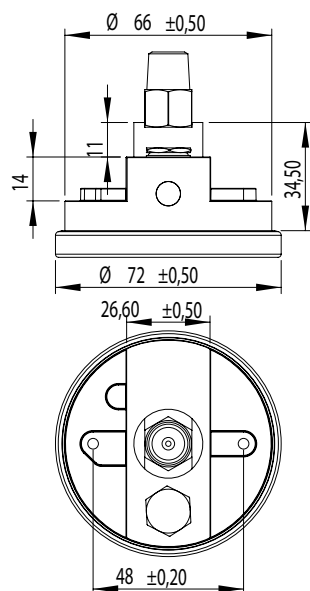
- Accuracy: $\pm 1\%$ end of scale: Class 1
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure:
 - 200% for scales below 50 bar
 - 150% for scales between 50 and 100 bar
 - 125% for scales over 100 bar
- Range of the scale: 300°
- List of available dials: see attached table

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



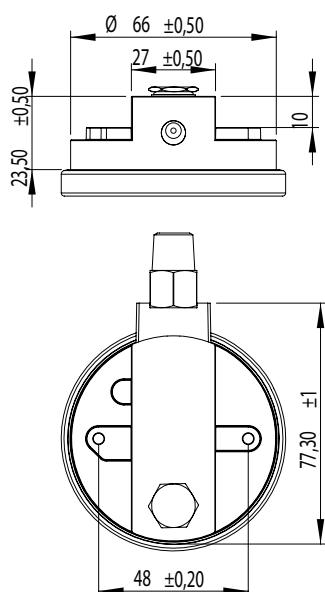
Dials

Industry

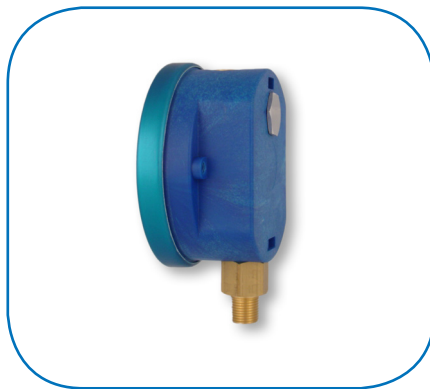
Laboratory

-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
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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, Dry/Oil-filled/Tight



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

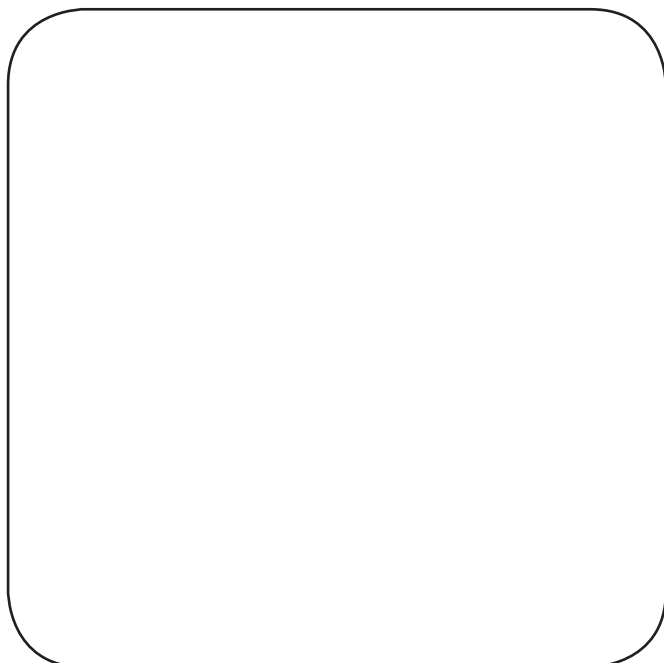
- Accuracy: $\pm 1\%$ end of scale: Class 1
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure:
 - 200% for scales below 50 bar
 - 150% for scales between 50 and 100 bar
 - 125% for scales over 100 bar
- Range of the scale: 300°
- List of available dials: see attached table

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



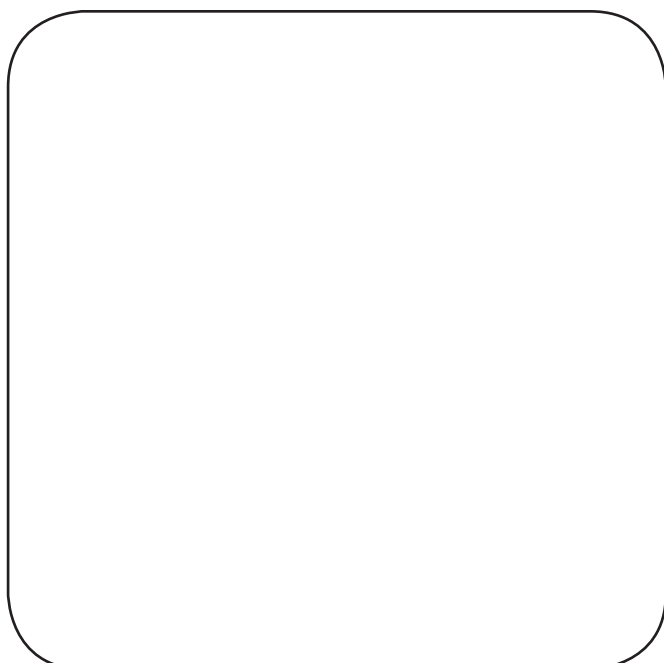
Dials

Industry

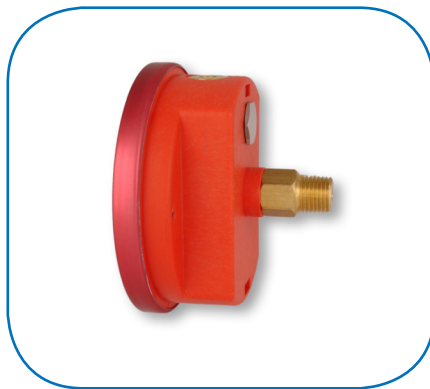
Laboratory

-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, Dry/Oil-filled/Tight



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

Filetages:

- 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

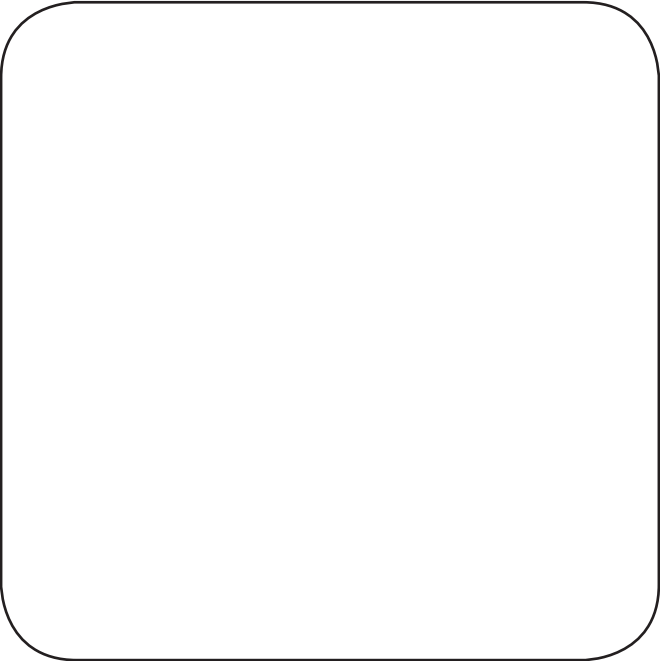
- Accuracy: $\pm 1\%$ end of scale: Class 1
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure:
 - 200% for scales below 50 bar
 - 150% for scales between 50 and 100 bar
 - 125% for scales over 100 bar
- Range of the scale: 300 °
- List of available dials: see attached table

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



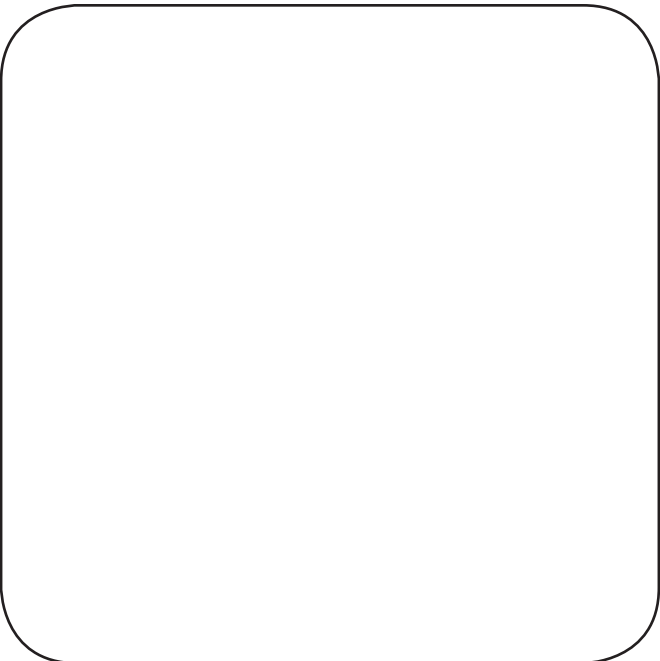
Dials

Industry

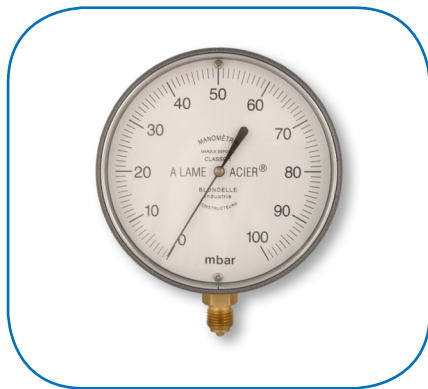
Laboratory

-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

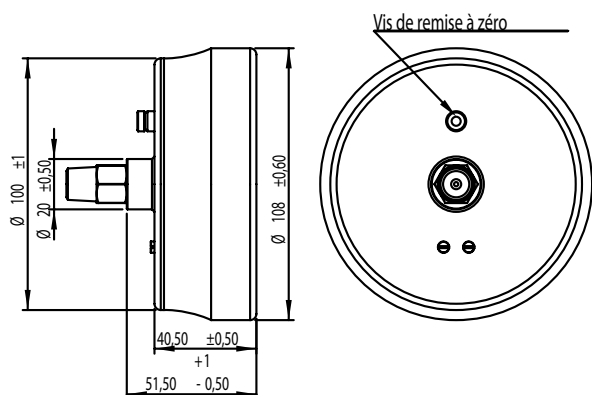
Ø 100 Gauge, Aluminium, Low Pressure, Dry

Rear Connection

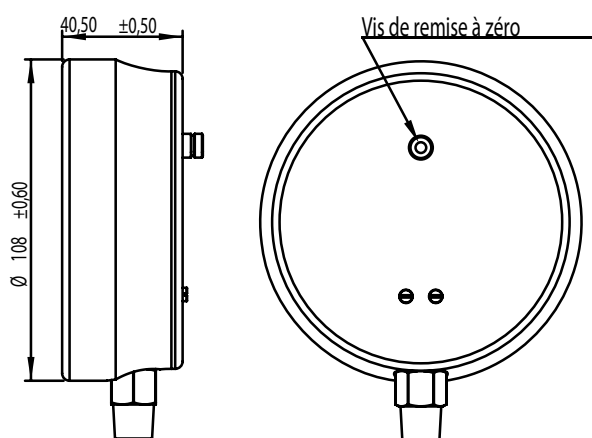
Dials

Industry

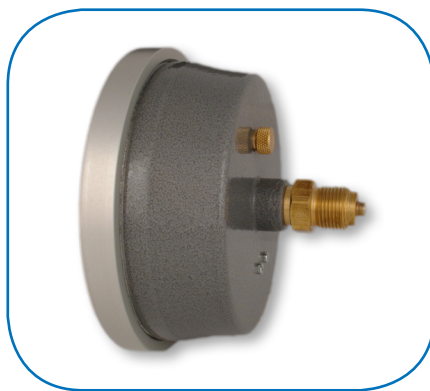
Laboratory



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

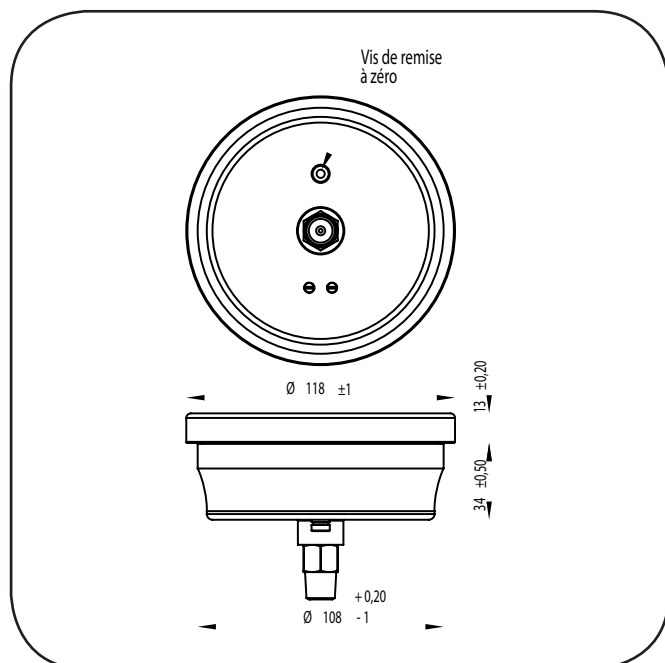
Ø 100 Gauge, Aluminium, Low Pressure, Tight

Rear Connection

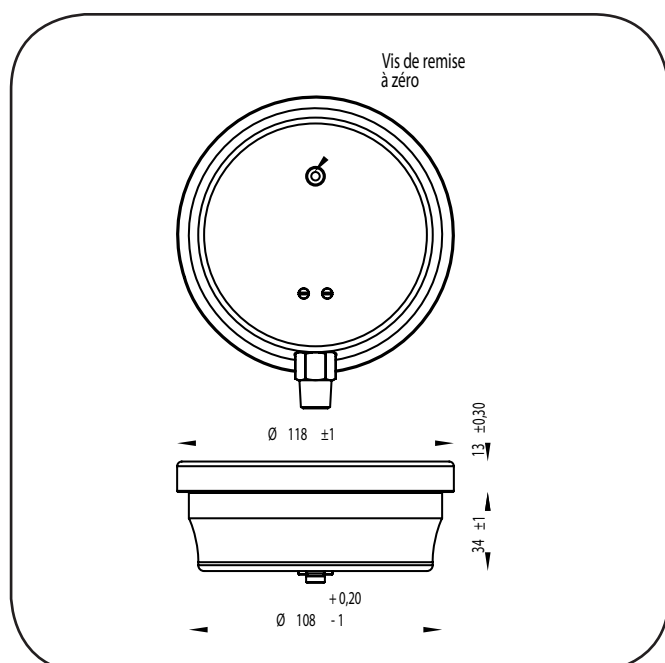
Dials

Industry

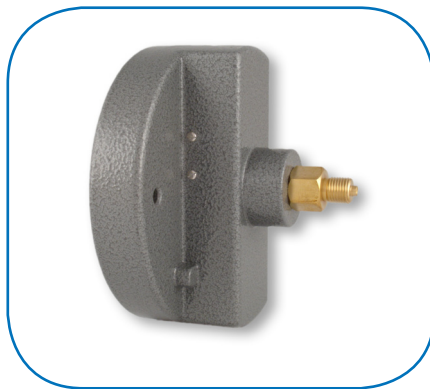
Laboratory



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

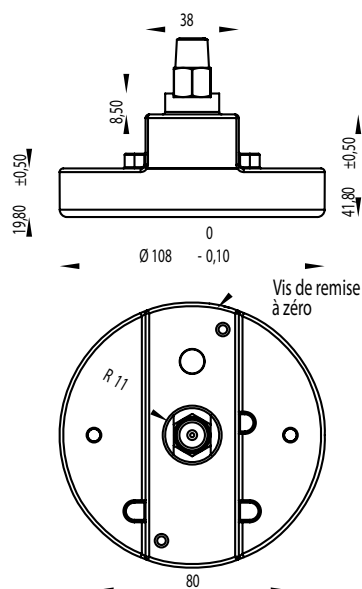
- Accuracy :
 - **Industry:** $\pm 1\%$ end of scale: Class 1
 - **Laboratory:** $\pm 1\%$ of reading (maximum scale 100 bar)
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure:
 - 200% for scales below 50 bar
 - 150% for scales between 50 and 100 bar
 - 125% for scales over 100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



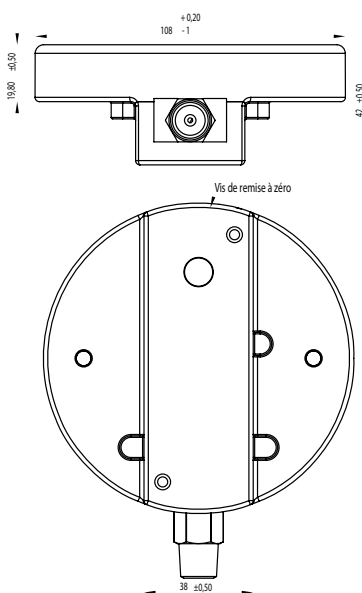
Dials

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

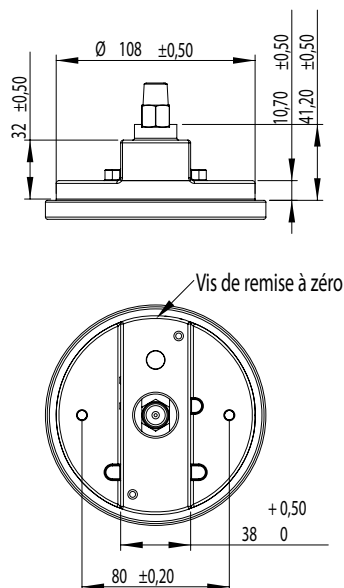
- Accuracy:
 - **Industry:** $\pm 1\%$ end of scale: Class 1
 - **Laboratory:** $\pm 1\%$ of reading (only in «Tight» version)
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure:
 - 200% for scales below 50 bar
 - 150% for scales between 50 and 100 bar
 - 125% for scales over 100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



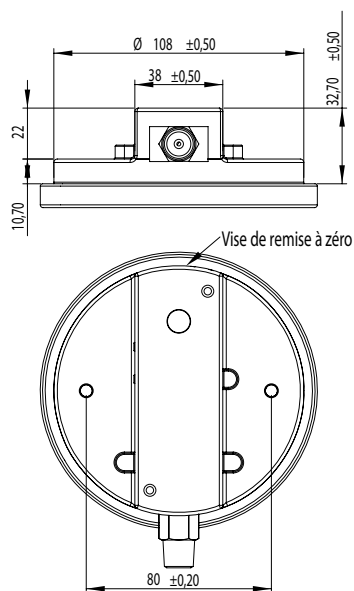
Dials

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

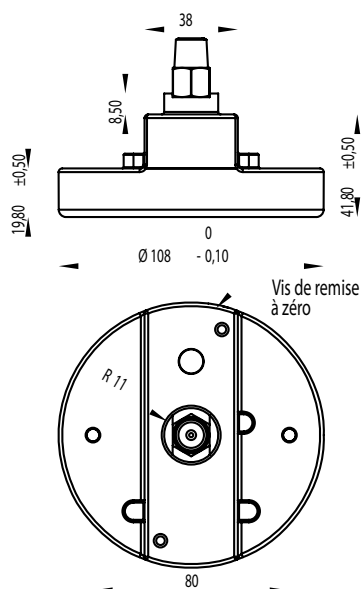
- Accuracy:
 - **Industry:** $\pm 1\%$ end of scale: Class 1
 - **Laboratory:** $\pm 1\%$ of reading (only in «Tight» version)
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure:
 - 200% for scales below 50 bar
 - 150% for scales between 50 and 100 bar
 - 125% for scales over 100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



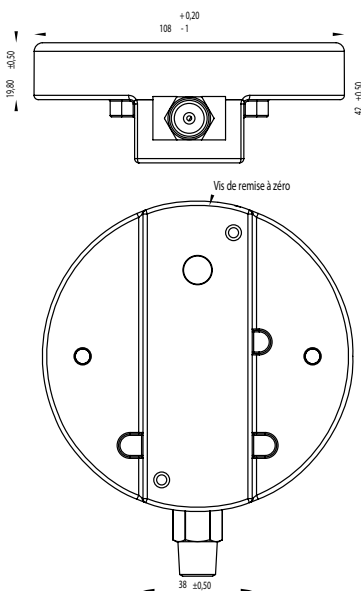
Dials

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

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

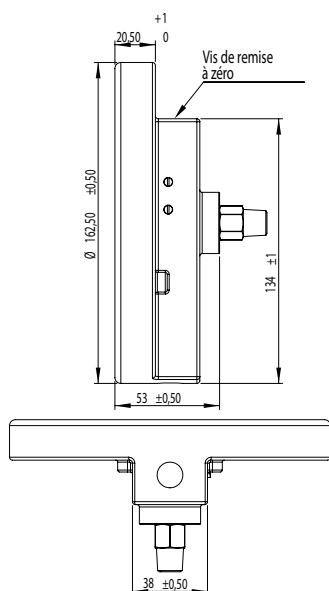
- Accuracy :
 - **Industry:** $\pm 1\%$ end of scale: Class 1
 - **Laboratory:** $\pm 1\%$ of reading (maximum scale 100 bar)
 - **Verification:** $\pm 0.5\%$ of reading (maximum scale 50 bar)
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure:
 - 200% for scales below 50 bar
 - 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



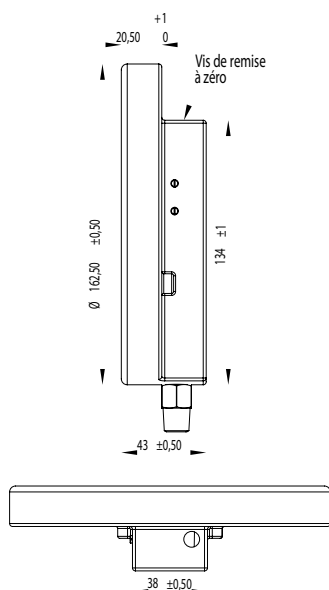
Dials

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 + 16 bar	8085
0 + 16 bar	8085	0 + 16 bar SNCF	5922
0 + 16 bar & psi	9186	0 + 25 bar	8337
0 + 20 bar	1488	0 + 40 bar	1491
0 + 25 bar	8337	0 + 60 bar	1493
0 + 30 bar	1490	0 + 100 bar	1495
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



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

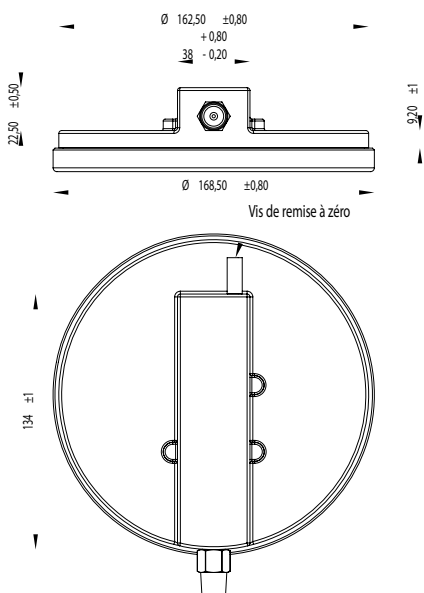
Dials

Industry

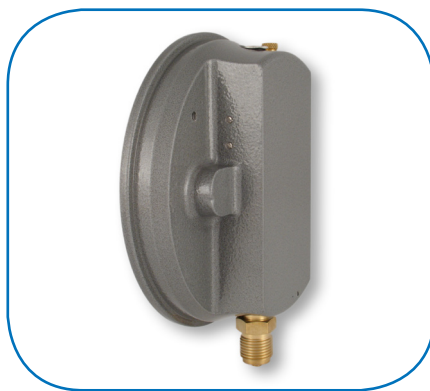
Laboratory

-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 + 16 bar	8085
0 + 16 bar	8085	0 + 16 bar SNCF	5922
0 + 16 bar & psi	9186	0 + 25 bar	8337
0 + 20 bar	1488	0 + 40 bar	1491
0 + 25 bar	8337	0 + 60 bar	1493
0 + 30 bar	1490	0 + 100 bar	1495
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



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

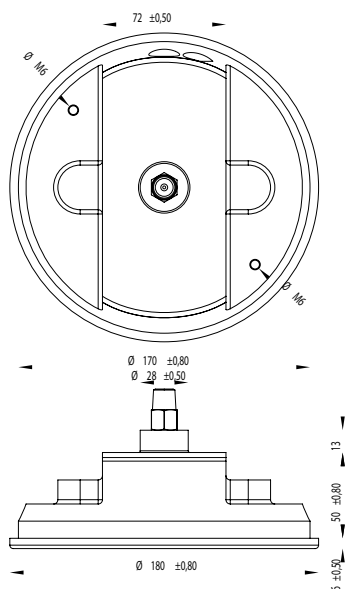
- Accuracy :
 - **Industry:** $\pm 1\%$ end of scale: Class 1
 - **Laboratory:** $\pm 1\%$ of reading (maximum scale 100 bar)
 - **Verification:** $\pm 0.5\%$ of reading (maximum scale 50 bar)
- Operating temperature: $-40 + 70^{\circ}\text{C}$
- Accidental pressure:
 - 200% for scales below 50 bar
 - 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

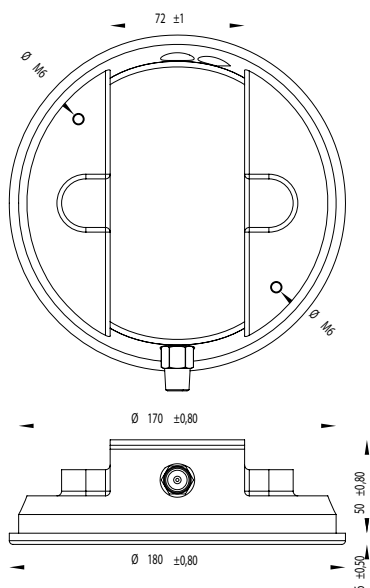
- Silver solder assembly (for temperatures above 70°C)
- Stainless version (max. scale 60 bar)
Manometric element and all parts in contact with the fluid in stainless steel
- Absolute Calibration
- Oxygen version
- Vacuum drying of the manometric element
- Filling of the pressure element with buffer 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



Vertical Connection



Dials

Industry

-760 mmHg +0
 -760 mmHg + 500mbar
 -760 mmHg + 1000 mbar
 0 + 760 mmHg
 -100mbar +0
 -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

Laboratory

-770 mmHg + 0
 -760 mmHg + 1000 mbar
 -760 mmHg + 2000 mbar
 -100 mbar +0
 -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

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

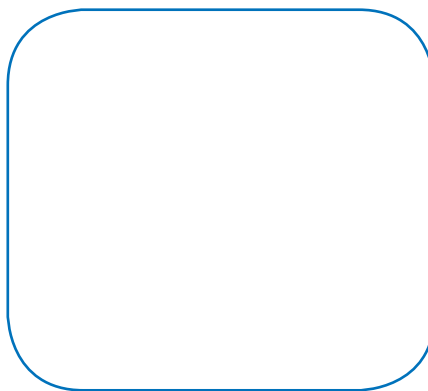
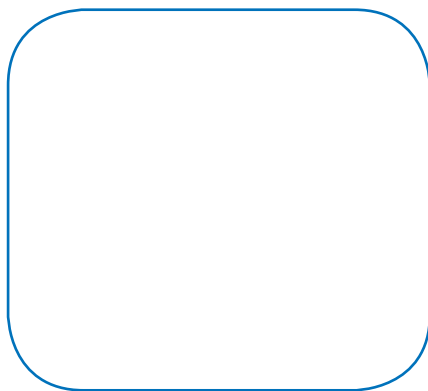
Dials

Industry

Laboratory

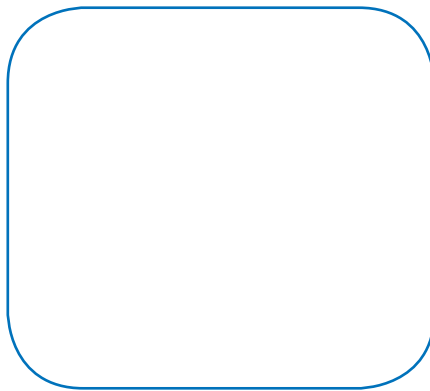
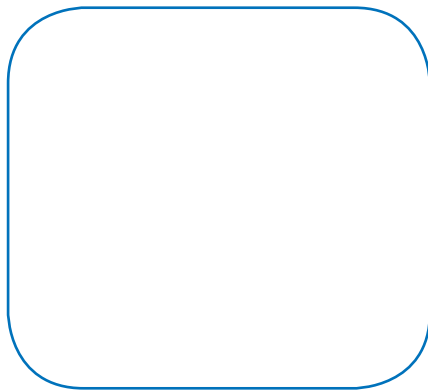
Vertical Connection

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	0,5% of Reading	Dry		
MA1502	D180	Aluminium	Absolute	Class 1	Tight	Stainless Steel	316L - Absolute Pressure

Dials



Dials

- Dials



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