

LOW PRESSURE GAUGES

Low Pressure Gauges

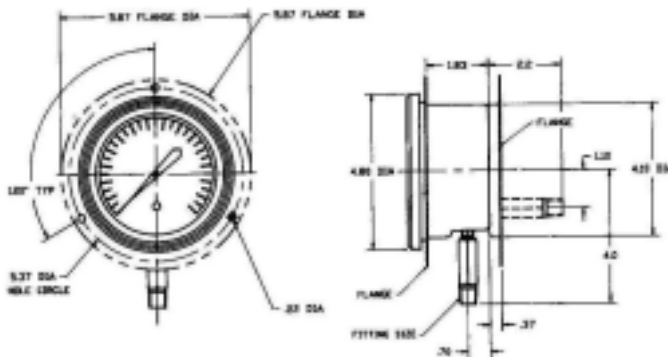
Accurate and reliable low pressure gauges available in 4 1/2" Dyna-mount cases and stainless steel cases.

Features:

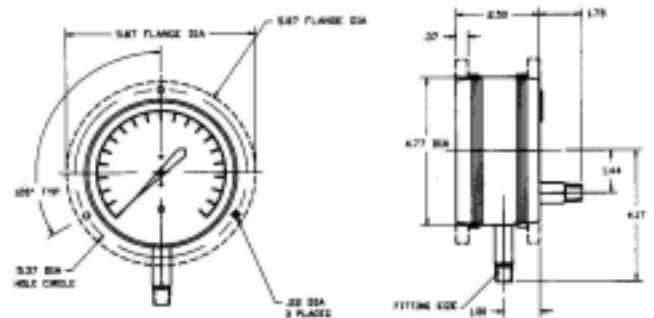
- Adjustable Dyna-mount fitting and flange
- Adjustable zero setting
- Standard changeable filter
- All Wetted surfaces stainless steel construction
- 150 % Overpressure with no effect on calibration
- 500 % Burst pressure
- Design tested to 500,000 cycles
- Ranges available from 0-25 inches of water (60 mbar) to 15 psig (1000 mbar)
- Fitting size changeable in the field

Benefits:

- Application flexibility, bottom or back mount in one unit
- Longer service life
- Rezero capability
- Corrosion resistance



STAINLESS STEEL CASE



PLASTIC CASE

The "Direct Drive Difference"

Pressure Ranges: 25 inches (60 mbar) of water to 15 psig (1000 mbar)

Accuracy: +/-2.0% of full scale + 1.0 %*

Ambient Temperature: -65°F to 190°F (-54°C to 88°C)

Proof Pressure: 150 % full scale no calibration shift

Burst Pressure: 500 % of full scale

Operating Media: Any gas media suitable for contact with 316 stainless steel

MATERIALS

Sensing Element: Stainless steel
 Fitting: 316 stainless steel
 Dial: 300 series stainless steel
 Movement: Brass

STAINLESS STEEL CASE MATERIALS

Case: 300 series stainless steel electro-polished
 Crystal: Acrylic (or optional glass)
 Flange: 300 series stainless steel (Optional)

HIGH IMPACT PLASTIC CASE MATERIALS

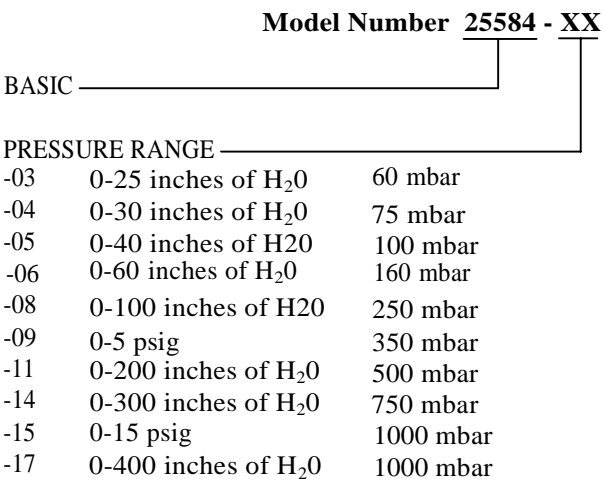
Case: High impact resistant Cycolac Plastic
 Crystal: Acrylic
 Flange: High impact resistant

* Consult factory for price and delivery

MOD CODE LISTING

None - "psig" and "in H₂O" ranges / scales
 "ISZ" - "oz/in²" ranges / scales
 "ISB" - "mbar" or "bar" ranges / scales
 "ISO" - "kPa" ranges / scales
 "ISK" - "kgf/cm²" and "mm H₂O" ranges / scales
 "ISZD" - Dual scale with "oz/in²" inner scale and "psig" or "in H₂O" outer scale
 "ISBD" - Dual scale with "mbar" inner scale and "psig" or "in H₂O" outer scale
 "ISOD" - Dual scale with "kPa" inner scale and "psig" or "in H₂O" outer scale
 "ISKD" - Dual scale with "kgf/cm²" or "mm H₂O" inner scale and "psig" / "in H₂O" outer scale
 "CPB" - 0 to 100 % linear scale for receiver gauge
 "CPA" - 0 to 10 square root scale for receiver gauge
 "GCG" - Optional 1.0 % (of Span) Accuracy
 "GBT" - Optional Laminated Glass Crystal (Stainless Steel Case Only)

Note: More than one Mod Code can be used at the end of the model number.



ORDERING INFORMATION

CASE

- 1 = black ABS Plastic
- 4 = yellow ABS Plastic
- 5 = stainless steel

FLANGE / FITTING POSITION

- 1 = front / bottom
- 2 = front / back
- 3 = none / back
- 4 = back / back
- 5 = none / bottom
- 7 = detached / bottom (ABS only)
- 8 = detached / back (ABS only)

FITTING

- B = 1/4 NPTM
- C = 1/2 NPTM

• All metric gauges are standard per ASME B40.1



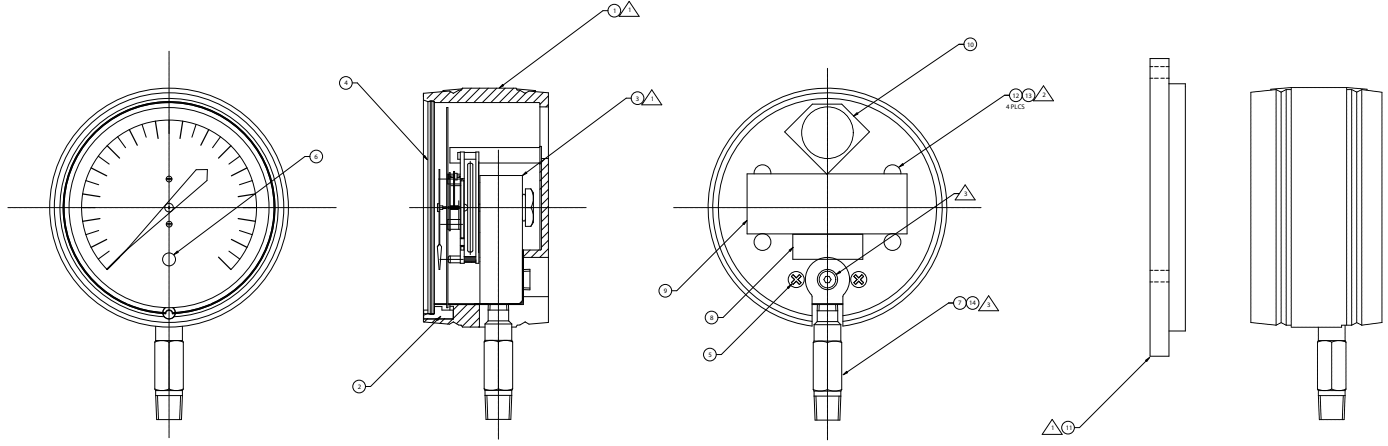
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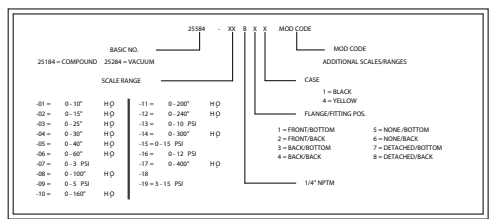
Web Site <http://www.3dinstruments.com>

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REVIEWS			
DATE	BY	CHK	APPROV
1.0	3.0.004	C.C.	
4	PRODUCTION RELEASE		



NUMBER DEFINITION:



SCALE RANGE TABULATION CHART

DASH NO.	ITEM 3	REF. SCALE
-01	4120-0001-01	0 - 10" H ₂ O
-02	4120-0001-02	0 - 15" H ₂ O
-03	4120-0001-03	0 - 25" H ₂ O
-04	4120-0001-04	0 - 30" H ₂ O
-05	4120-0001-05	0 - 40" H ₂ O
-06	4120-0001-06	0 - 60" H ₂ O
-07	4120-0001-07	0 - 3 PSI
-08	4120-0001-08	0 - 100" H ₂ O
-09	4120-0001-09	0 - 5 PSI
-10	4120-0001-10	0 - 160" H ₂ O
-11	4120-0001-11	0 - 200" H ₂ O
-12	4120-0001-12	0 - 240" H ₂ O
-13	4120-0001-13	0 - 10 PSI
-14	4120-0001-14	0 - 300" H ₂ O
-15	4120-0001-15	0 - 15 PSI
-16	4120-0001-16	0 - 15 PSI
-17	4120-0001-17	0 - 400" H ₂ O
-18		
-19	4120-0001-19	0 - 15 PSI

- 1. LOCATE PLUG AND FITTING FOR BACK CONNECT.
- 2. REPAIR 2-PART EPOXY, ITEM 13 AND APPLY IT TO ITEM 12 AS REQUIRED. ALLOW SUFFICIENT TIME TO CURE PRIOR ASSY.
- 3. REFER TO NUMBER DEFINITION FOR 'X' UNDER 'CASE' OR 'XX' UNDER 'SCALE RANGE', WHEN APPLICABLE.

NOTES:

QTY	REV	DESCRIPTION	DATE	BY	CHK	APPROV
15						
14		TELON TAPE				
14		PP 750				
12		2138-0044-X				
11		20640087				
10		2124-0081				
9		2124-0073				
8		2124-0076				
7		2063-0186				
6		2038-0056				
5		2154-0091-S7				
4		2061-0048				
3		4120-0001-XX				
2		2155-0075-X				
1		80290024				

QUANTITY	REVISION	DESCRIPTION	DATE	BY	CHK	APPROV
12						
11						
10						
9						
8						
7						
6						
5						
4						
3						
2						
1						

DATE	BY	CHK	APPROV
11/14/19	C. COLLIER	A. HAZEL	

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3M INTELLECTUAL PROPERTY

GAUGE ASSEMBLY

LOW PRESS. PLASTIC 1/4" FTG.

D 52159

25584-XXBXX

