

Model CC Precision Pressure Gauge



FEATURES

- $\pm 0.1\%$ F.S. accuracy – ASME B40.1, Grade 4A
- Ranges from 12-30,000 psi
- Solid front protective case
- High and low pressure limit stop
- Mirror band dial to eliminate parallax reading error
- Optional temperature compensation maintains 0.1% accuracy from -25 to $+125^{\circ}\text{F}$

The standard Heise® precision pressure gauge case style features a solid-front aluminum case with a hinged ring. The dial has a polished mirror band for pointer reflection to prevent parallax error and is available in 8", 12", and 16" dial sizes in both lower and back connection. Pointer is a balanced-friction adjustable design with red knife edge tip for easy reading.

PRODUCT SPECIFICATIONS

HEISE®

Model No.

& Dial Size: CC: 8", 12", 16"

Case: Cast aluminum, solid front. Blow out rear cover. Integral panel mounting flange

Lens: Polycarbonate,

Dial: Black figures on white, high resolution with mirror band

Pointer: Knife edge pointer to eliminate parallax errors

Bourdon

Tube: Bleeder tipped for easy flushing or purging

Socket:

Connections: $\frac{1}{4}$ NPT Female – Back Connect
Autoclave F250-C (Aminco 45-11310) – Back Connect

Ranges: Available in Gauge, Compound, Vacuum and Absolute (requires manual barometric compensation)

Repeatability: $\pm 0.02\%$ F.S.

Hysteresis: $\pm 0.1\%$ F.S.

Total

Accuracy: $\pm 0.1\%$ F.S. Includes Certificate of NIST traceability

OPTIONAL FEATURES

- Custom scales/units of measure
- Thermal compensation (maintains 0.1% accuracy from -25 to $+125^{\circ}\text{F}$)
- Slotted link (protects movement during sudden pressure release)
- Wall mounting brackets
- Peak load indicator
- Dual scale dial

OPTIONAL PRESSURE INLET TYPE AND LOCATION

- $\frac{1}{8}$ NPT – Male or Female – Back or Bottom
- $\frac{1}{4}$ NPT – Male or Female – Back or Bottom
- AND10050-4 – Female Only – Back or Bottom
- Autoclave F250-C – Female Only – Back or Bottom
- Aminco 45-11310 – Female Only – Back or Bottom
- MS33649-4 – Female Only – Back or Bottom
- MS33656-4 – Male Only – Back or Bottom
- MS-16142 – Female Only – Back or Bottom
- Mil-G-18997D – Male Only – Back or Bottom

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MATERIAL AND RANGE

Standard Ranges

psi

- Beryllium copper: 0-12 through 0-40 psi
- 403 SS: 0-50 through 0-30,000 psi

Inches Mercury

- Beryllium copper: 0-30 through 0-75 psi
- 403 SS: 0-100 through 0-1000 psi

Vacuum

- Beryllium copper: -30-0

Compound

- Beryllium copper: 15" Hg-15" Hg through 30" Hg-60 Hg"
- 403 SS: 30" Hg-100" Hg through 30" Hg-150 Hg"
- Beryllium copper: 30" Hg-15 psi through 30" Hg-30 psi
- 403 SS: 30" Hg-60 psi through 30" Hg-300 psi

Inches Water

- Beryllium copper: 0-350 through 0-1000

METRIC

Millimeters Mercury

- Beryllium copper: 0-750 through 0-2000
- 403 SS: 0-2500 through 0-5000

bar – kg/cm² – kp/cm²

- Beryllium copper: 0.2-1 through 0-2.5
- 403 SS: 0-3 through 0-1600

kPa

- Beryllium copper: 0-100 through 0-250
- 403 SS: 0-300 through 0-10,000

mPa

- 403 SS: 0-1 through 0-160

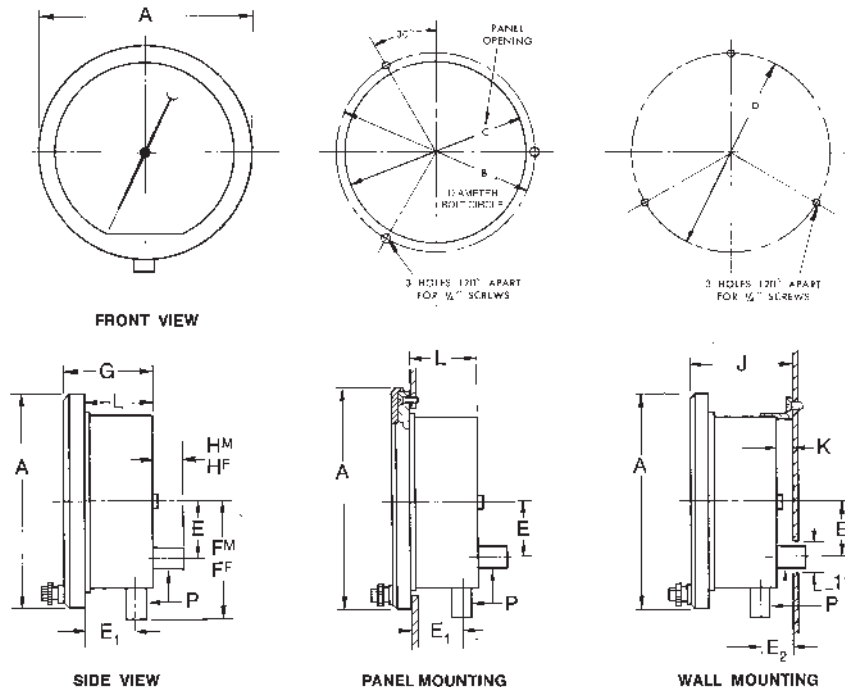
Vacuum

bar – kg/cm² – kp/cm²

- Beryllium copper: -1 to 0

kPa

- Beryllium copper: -100 to 0



Model "CC"

Size	Dim. Units	A	B	C	D	E	E ₁	E ₂	F _M	F _F	G	H _M	H _F	J	K	L
8½"	in.	10 ⁵ / ₁₆	9 ³ / ₈	8 ¹⁵ / ₁₆	9½	3¼	1 ⁵ / ₁₆	1 ⁶³ / ₆₄	5 ⁹ / ₁₆	5¼	3 ²⁵ / ₆₄	1 ³ / ₈	1 ¹ / ₁₆	4 ¹ / ₃₂	4 ¹ / ₆₄	2 ²¹ / ₃₂
	mm	261.9	238.1	228.6	241.3	82.6	33.3	50.4	141.3	133.4	86.1	35.0	27.0	102.3	16.3	67.4
12"	in.	13 ²¹ / ₃₂	12¾	12 ³ / ₈	9½	3¼	1 ⁵ / ₁₆	1 ⁶³ / ₆₄	5 ⁹ / ₁₆	5¼	3 ²⁵ / ₆₄	1 ³ / ₈	1 ¹ / ₁₆	4 ¹ / ₁₆	4 ¹ / ₆₄	2 ²¹ / ₃₂
	mm	346.9	329.9	314.3	241.3	82.6	33.3	50.4	141.3	133.4	86.1	35.0	27.0	103.1	16.3	67.4
16"	in.	17 ²³ / ₃₂	16¾	16 ³ / ₈	9½	3¼	1 ⁵ / ₁₆	1 ⁶³ / ₆₄	5 ⁹ / ₁₆	5¼	3 ²⁵ / ₆₄	1 ³ / ₈	1 ¹ / ₁₆	4 ¹ / ₁₆	4 ¹ / ₆₄	2 ²¹ / ₃₂
	mm	450.1	425.2	415.9	241.3	82.6	33.3	50.4	141.3	133.4	86.1	35.0	27.0	103.1	16.3	67.4

Inlet Pressure Connection*	P	Pressure connection is illustrated in both back and bottom configurations. See page 4 for available fitting types.		
Approximate Weight	Dial Size	8½"	12"	16"
	Net Weight	7¼ lbs.	10¾ lbs.	14¼ lbs.
	Shipping Weight	10 lbs.	15 lbs.	21 lbs.

*Standard Inlet Fittings: ¼ NPT Female Back Connection for ranges up to and including 10,000 psi.
AMINCO 45-11310 or AUTOCLAVE F-250-C for ranges over 10,000 psi.