

## Model CC Precision Pressure Gauge



### FEATURES

- $\pm 0.1\%$  F.S. accuracy – ASME B40.1, Grade 4A
- Ranges from 12-100,000 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 6," 8½," 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: 8½," 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:** ¼ 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. <sup>(1)</sup>

#### 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

<sup>(1)</sup> Hysteresis may exceed  $\pm 0.1\%$  of span for ranges equal to or greater than 75,000 psi. ( $\pm 0.3\%$  typical not to exceed  $\pm 0.4\%$  of span).

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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/cm<sup>2</sup> – kp/cm<sup>2</sup>

- 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

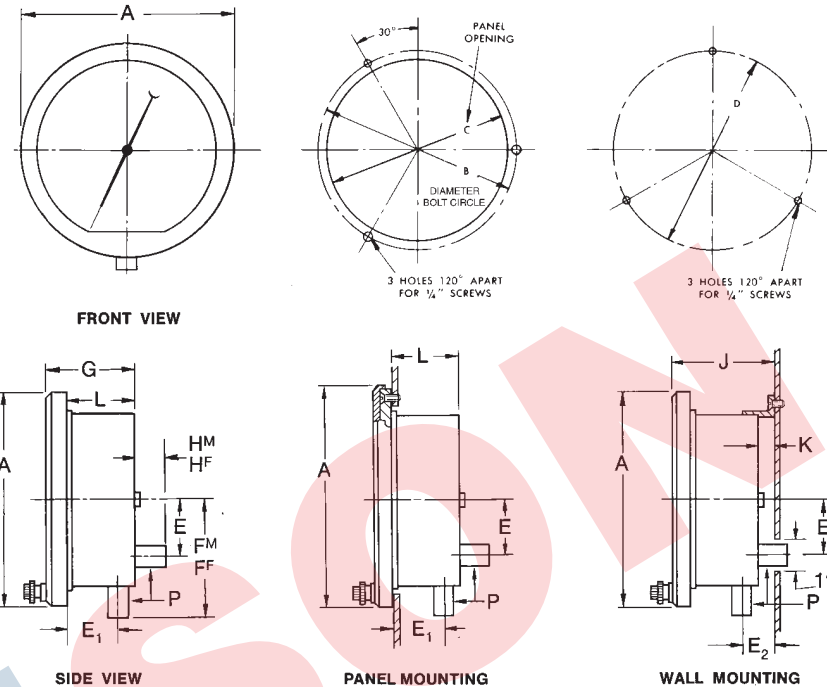
### Vacuum

#### bar – kg/cm<sup>2</sup> – kp/cm<sup>2</sup>

- Beryllium copper: -1 to 0

#### kPa

- Beryllium copper: -100 to 0



Model "CC"

Size	Dim. Units	A	B	C	D	E	E <sub>1</sub>	E <sub>2</sub>	F <sub>M</sub>	F <sub>F</sub>	G	H <sub>M</sub>	H <sub>F</sub>	J	K	L
8½"	in.	10 <sup>5</sup> / <sub>16</sub>	9 <sup>3</sup> / <sub>8</sub>	8 <sup>15</sup> / <sub>16</sub>	9½	3¼	1 <sup>5</sup> / <sub>16</sub>	1 <sup>63</sup> / <sub>64</sub>	5 <sup>9</sup> / <sub>16</sub>	5¼	3 <sup>25</sup> / <sub>64</sub>	1 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>32</sub>	4 <sup>1</sup> / <sub>64</sub>	2 <sup>21</sup> / <sub>32</sub>
	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 <sup>21</sup> / <sub>32</sub>	12¾	12 <sup>3</sup> / <sub>8</sub>	9½	3¼	1 <sup>5</sup> / <sub>16</sub>	1 <sup>63</sup> / <sub>64</sub>	5 <sup>9</sup> / <sub>16</sub>	5¼	3 <sup>25</sup> / <sub>64</sub>	1 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>64</sub>	2 <sup>21</sup> / <sub>32</sub>
	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 <sup>23</sup> / <sub>32</sub>	16¾	16 <sup>3</sup> / <sub>8</sub>	9½	3¼	1 <sup>5</sup> / <sub>16</sub>	1 <sup>63</sup> / <sub>64</sub>	5 <sup>9</sup> / <sub>16</sub>	5¼	3 <sup>25</sup> / <sub>64</sub>	1 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>64</sub>	2 <sup>21</sup> / <sub>32</sub>
	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.