

Type 1339 Duplex Gauge



FEATURES

- 4½" dial size
- Bronze Bourdon tube and brass sockets
- Two independent systems and movements
- Non-adjustable red and black pointers

The Ashcroft® Type 1339 duplex gauge is used to display two separate input pressures on the same gauge for comparison purposes.

TEMPERATURE LIMITS

| | Ambient | Process | Storage |
|-----|-------------------------|--------------------------|--------------------------|
| Dry | -20/200°F (-29/93°C) | -20/250°F (-29/121°C) | -40/250°F (-40/121°C) |

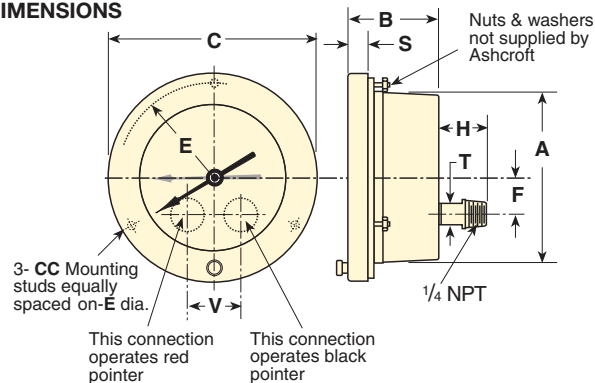
Note: Other than discoloration of the dial and hardening of the gasketing that may occur as ambient or process temperatures exceeds 150°F, non-liquid-filled gauges with standard glass windows, can withstand continuous operating temperatures up to 250°F (121°C). Accuracy at temperatures above or below the reference ambient temperature of 68°F (20°C) will be affected by approximately .4% per 25°F. Gauges with silver brazed joints will withstand 450°F (232°C). Ranges less than 100 psi have soft soldered joints and can withstand 250°F (121°C) for short times without rupture, although other parts of the gauge will be destroyed and calibration will be lost. For continuous use and for process or ambient temperatures above 250°F (121°C), a diaphragm seal or capillary or siphon is recommended.

PRODUCT SPECIFICATIONS

| | |
|-----------------------------------|--|
| Model Number: | 1339 |
| Accuracy: | 2%-1%-2% ASME Grade A |
| Case Style: | Open Front (dry only) |
| Case Material: | Cast Aluminum, Black Epoxy Coated |
| Dial Size: | 4½" (45) |
| Dial Material & Color: | Brushed Aluminum with Black Markings |
| Ring Type: | Aluminum, Hinged, Black Epoxy Coated |
| Bourdon Tube Material: | Grade A Phosphor Bronze (A) ⁽¹⁾ |
| Socket Material: | Brass ⁽¹⁾ |
| Connection Size: | ¼ NPT |
| Connection Location: | Back (B) |
| Range Limits: | 30-1000 psi |
| Mounting: | Flush |
| Movement: | Bronze |
| Pointer: | Non-Adjustable Black & Red |
| Window: | Glass |
| Warranty: | 1 Year |

⁽¹⁾ Joints: Below 100 psi, soldered. Above 100 psi, silver brazed

DIMENSIONS



| Dial Size Inches | A | B | C | E | F | H | I | V | S | CC | Wght (lbs) |
|------------------|------------------|----------------|-----------------|----------------|----------------|----------------|-------------|---------------|-------------|-------|-------------|
| 4½ | 4 13/16 (122) | 2 3/16 (56) | 6 1/16 (154) | 5 3/8 (137) | 1 1/16 (27) | 1 1/16 (40) | 5/8 (16) | 1 1/2 (38) | 5/8 (16) | 10-24 | 3 1.4 kg |

45 1339 PRODUCT CODING

Typical Code:

| 45 | 1339 | A | 02 | B | 100# | |
|---------|-------------|--|---------------------------|-------------------------|------------------------------|---|
| SIZE | TYPE NUMBER | SYSTEM (Tube & Socket) | CASE DESIGN | PROCESS CONN. SIZE | CONNECTION LOCATION | RANGE (psi) |
| (45) 4½ | 1339 | Code Tube Socket (A) Phos Brz Brass | Description Open Front | Code NPT (02) ¼ Male | Code Description (B) Back | 30 60 100 160 200 300 400 600 800 1000 |

Type 1339 Duplex Gauge

| STANDARD METRIC RANGES | | | | | | | | | |
|------------------------|--------------------|----------|------------------|------------------|------------------|------------------|------------------|---|--|
| TYPE | RANGE | | DIAL GRADUATIONS | | RANGE | DIAL GRADUATIONS | | Outer Scale When Dual Range Specified/psi | |
| | kg/cm ² | Bar | Figure Interval | Minor Graduation | kPa (kilopascal) | Figure Interval | Minor Graduation | | |
| 1339A | Pressure | | | | | | | | |
| | 0/2.5 | 0/2.5 | 0.5 | 0.05 | 0/250 | 50 | 5 | 0/35 | |
| | 0/4 | 0/4 | 0.5 | 0.05 | 0/400 | 50 | 5 | 0/55 | |
| | 0/6 | 0/6 | 0.5 | 0.05 | 0/400 | 50 | 5 | 0/85 | |
| | 0/10 | 0/10 | 1 | 0.1 | 0/1000 | 100 | 10 | 0/140 | |
| | 0/16 | 0/16 | 2 | 0.2 | 0/1600 | 200 | 20 | 0/220 | |
| | 0/25 | 0/25 | 5 | 0.5 | 0/2500 | 500 | 50 | 0/350 | |
| | 0/40 | 0/40 | 5 | 0.5 | 0/4000 | 500 | 50 | 0/550 | |
| | 0/60 | 0/60 | 5 | 1 | 0/6000 | 500 | 100 | 0/850 | |
| | Compound | | | | | | | | |
| | -1/1.5 | -1/0/1.5 | 0.5 | 0.05 | -100/150 | 50 | 5 | 30"Hg/20 | |
| | -1/3 | -1/0/3 | 0.5 | 0.05 | -100/300 | 50 | 5 | 30"Hg/40 | |
| | -1/5 | -1/0/5 | 0.5 | 0.1 | -100/500 | 50 | 10 | 30"Hg/70 | |
| | -1/9 | -1/0/9 | 1 | 0.1 | -100/900 | 100 | 10 | 30"Hg/125 | |
| | -1/15 | -1/0/15 | 1 | 0.1 | -100/1500 | 200 | 20 | 30"Hg/215 | |
| | -1/24 | -1/0/24 | 2 | 0.2 | -100/2400 | 500 | 20 | 30"Hg/340 | |

| STANDARD RANGES | | | | |
|------------------|-----------------|-----|----------------|-----|
| psi | Figure Interval | | Minor Grad. | |
| Pressure | | | | |
| 0/30 | 5 | | 0.5 | |
| 0/60 | 5 | | 1 | |
| 0/100 | 10 | | 1 | |
| 0/160 | 20 | | 2 | |
| 0/200 | 20 | | 2 | |
| 0/300 | 30 | | 5 | |
| 0/600 | 50 | | 10 | |
| 0/800 | 100 | | 10 | |
| 0/1000 | 100 | | 10 | |
| Range | Figure Interval | | Minor Grad. | |
| | Inches Mercury | psi | Inches Mercury | psi |
| Compound | | | | |
| 30 in.Hg/15 psi | 5 | 3 | 1 | 0.5 |
| 30 in.Hg/30 psi | 10 | 5 | 1 | 0.5 |
| 30 in.Hg/60 psi | 10 | 10 | 1 | 1 |
| 30 in.Hg/100 psi | 10 | 10 | 1 | 1 |
| 30 in.Hg/150 psi | 10 | 20 | 2 | 2 |
| 30 in.Hg/300 psi | 30 | 25 | 5 | 5 |