

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)

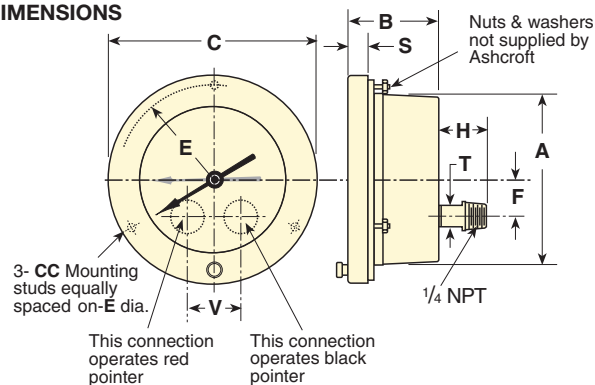
Note: Other than discoloration of the dial and hardening of the gasketing that may occur as ambient or process temperatures exceeds 150°F, non-liquid-filled gauges with standard glass windows, can withstand continuous operating temperatures up to 250°F (121°C). Accuracy at temperatures above or below 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	
Compound				
	Figure Interval		Minor Grad.	
Range	Inches Mercury	psi	Inches Mercury	psi
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