

Data Sheet

1038A Duplex Pressure Gauge

FEATURES

- Single gauge measures two related pressures
- Ranges to 1000 psi including compound

TYPICAL USES

- Filters
- Pumps and valves
- Rail braking systems
- Specialized OEM equipment



1038A
4½" dial size

SPECIFICATIONS

Accuracy:	±2-1-2% of span (ASME B40.100 Grade A)
Size:	4½"
Ranges:	Compound, 30 to 1,000 psi
Process Connection Location:	Lower or back
Process Connection Size:	¼ NPT
Case Style:	Open front
Movement:	Bronze
Window Material:	Glass
Dial:	Brushed aluminum with black markings
Case Material:	Aluminum
Pointer:	Non-adjustable black & red
Case Style:	Open front
Weather Protection:	Dry case, case not sealed, recommended for weather protected environment only.
Mounting:	Stem, surface or flush

WETTED COMPONENTS

Bourdon Tube	Process Connection Material	Joints
Grade A Phosphor Bronze	Brass	Soldered (100 psi), silver braised (above 100 psi)

NON-WETTED COMPONENTS

Case	Ring
Aluminum black epoxy coated	Aluminum, threaded, black epoxy coated

KEY BENEFITS

- Convenient readability of two related pressures on a single gauge
- High reliability and performance
- Ideal product for satisfying critical installation requirements
- One year warranty

MIN/MAX TEMPERATURE LIMITS

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

Data Sheet

1038A Duplex Pressure Gauge

ORDERING CODE	Example:	45	1038	A	02	L	100#
Dial Size							
45 - 4½" dial		45					
Model							
1038A - Duplex, black aluminum, open front			1038				
System							
A - Phosphor bronze tube/brass process connection				A			
Process Connection Size							
02 - ¼ NPT					02		
Process Connection Location							
L - Lower						L	
B - Lower Back							
Range (See range table on page 2 for all standard ranges)							
Single Scales							
100# - 100 psi							100#

STANDARD RANGES CODE - SINGLE SCALE			
	psi	bar	kPa
Compound	30IMV&15#		
			N1/1.5BR
			N100/150KP
	30IMV&30#		
			N1/3BR
			N100/300KP
	30IMV&60#		
			N1/5BR
		N100/500KP	
30IMV&100#			
		N1/9BR	
		N100/900KP	
30IMV&150#			
		N1/15BR	
		N100/1500KP	
30IMV&300#			
		N1/24BR	
		N100/2400KP	
Positive Pressure	30#	-	-
	-	2.5BR	250KP
	60#	4BR	400KP
	-	6BR	600KP
	100#	-	-
	-	10BR	1000KP
	160#	-	-
	200#	-	-
	-	16BR	1600KP
	300#	-	-
	-	25BR	2500KP
	400#	-	-
	600#	40BR	4000KP
	800#	-	-
	-	60BR	6000KP
1000#	-	-	

1038A Duplex Pressure Gauge

DIMENSIONS in [] are millimeters

For reference only, consult Ashcroft for specific dimensional drawings

Gauge Size (inches)	A	B	C	D	E	F	G	H	J	L	S	T	V	Weight (lbs)
4½	5 ¹³ / ₁₆ [148]	2¼ [57]	5 ⁷ / ₈ [149]	2 ⁷ / ₃₂ [22]	2 ¹¹ / ₁₆ [68]	1 ¹ / ₁₆ [27]	3 ²⁵ / ₃₂ [96]	1 ¹⁷ / ₃₂ [39]	¾ [10]	7/32 [6]	7/16 [11]	1 ⁹ / ₁₆ [40]	1½ [38]	2.4 1.0 kg

