

## Type 1084 Pocket Test Gauge



### FEATURES

- Available in a 3" dial size
- Stainless steel movement with Teflon-coated bearings and pinion gear
- Black, adjustable pointer with red-painted knife-edge tip
- Stainless steel construction
- Zero-adjustable white aluminum dial with polished mirror band
- ¼ NPT lower connection only

With an accuracy of  $\pm 0.5\%$ , Grade 2A, plus rugged stainless steel construction, the Ashcroft® Type 1084 more than exceeds the requirements for on-the-spot inspections. To improve accuracy, stability and socket thread life, the Bourdon tube and socket assembly is made of type 316 stainless steel with all-welded construction; this system is standard for all ranges.

To make reading easier and faster, each unit is provided with a new, highly readable dial. Reading error caused by parallax is eliminated by aligning the knife-edge tip pointer with its reflection in the mirror band on the dial. Also available is a stainless steel cover that fits securely over the window and protects the gauge from damage while being carried in a tool box or pocket. An attractive, cushioned Nylon fabric pouch with carrying strap is offered as standard equipment.

### PRODUCT SPECIFICATIONS

<b>Model Number:</b>	1084
<b>Accuracy:</b>	0.5/ASME B40.100, Grade 2A
<b>Ranges:</b>	Vac., compound, 1000 psi
<b>Dial Size:</b>	3"
<b>Case Material:</b>	Polished 316 stainless steel
<b>Ring:</b>	316 stainless steel
<b>Tube and Socket Material:</b>	316 stainless steel <sup>(1)</sup>
<b>Movement:</b>	Precision, SS with Teflon S coated bearings and pinion
<b>Connection Location:</b>	Lower
<b>Connection Size:</b>	¼ NPT only
<b>Window Material:</b>	Polycarbonate
<b>Pointer:</b>	Black-painted aluminum with red-painted, knife-edge tip
<b>Dial:</b>	Zero adjustable aluminum, white background, black numerals with polished mirror band
<b>Weather Proof:</b>	No

### OPTIONS

**Optional Cover:** Specify 302B198-01

<sup>(1)</sup> Joints welded

### 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 acrylic 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 (4°C). Gauges with silver brazed joints will withstand 450°F (232°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.

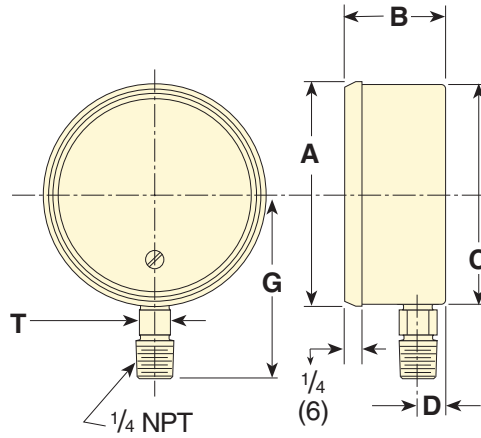
### 30 1084 PRODUCT CODING

Typical Code:

30		1084		S			02		L		100#
SIZE	TYPE NUMBER	SYSTEM (Tube & Socket)			CASE DESIGN	PROCESS CONN. SIZE	CONNECTION LOCATION				RANGE (psi)
(30) 3½"	1084	Code (S)	Tube 316SS	Socket 316SS	Description Open Front	Code (02) ¼ NPT Male	Code (L)	Description Lower			15 30 60 100 160 200 300 400 600 1000

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### DIMENSIONS



Model	Dial Size Inches	A	B	C	D	G	T	Wgt. Lbs.
1084	3	3/4 (83)	1 15/32 (37)	3/16 (81)	13/32 (10)	2 21/32 (67)	7/16 (11)	1.0

\*Millimeters shown in ( ).

### STANDARD RANGES

Range	Graduations					
	Figure Interval		Minor Graduation			
<b>Pressure (psi)</b>						
0/15	1		0.1			
0/30	2		0.2			
0/60	5		0.5			
0/100	10		1			
0/150	10		1			
0/200	20		2			
0/300	20		2			
0/400	50		2			
0/600	50		5			
0/1000	100		10			
<b>Vacuum</b>						
30"Hg/0	2		2			
<b>Compound</b>						
<b>inches mercury</b>	<b>psi</b>	<b>in.</b>	<b>psi</b>	<b>in.</b>	<b>psi</b>	
30	15	5	2	0.5	0.2	
30	30	10	5	1	0.5	
30	60	10	10	2	1	
30	100	30	20	2	1	
30	150	30	50	2	1	
30	300	30	50	2	1	

### METRIC RANGES

kg/cm <sup>2</sup>	bar	kPa
<b>Pressure</b>		
0/1	0/1	0/100
0/2	0/2	0/200
0/3	0/3	0/300
0/4	0/4	0/400
0/7	0/7	0/700
0/11	0/11	0/1100
0/14	0/14	0/1400
0/20	0/20	0/2000
0/28	0/28	0/2800
0/40	0/40	0/4000
0/70	0/70	0/7000
<b>Vacuum</b>		
-1/0	-1/0	-100/0
<b>Compound</b>		
-1/0/1	-1/0/1	-100/0/100
-1/0/3	-1/0/3	-100/0/300
-1/0/6	-1/0/6	-100/0/600
-1/0/10	-1/0/10	-100/0/1000