

Data Sheet

1020S Christmas Tree Pressure Gauge

FEATURES

- Micrometer-adjustable pointer
- Stainless steel movement with Teflon[®] - coated pinion and shaft

TYPICAL USES

- Offshore Rigs
- Wellheads
- Oil and Gas
- Oilfields
- Equipment Skids



1020S
4½" dial size

SPECIFICATIONS

Accuracy:	±1.0% F.S. (ASME B40.100 Grade 1A)
Pressure Ranges:	1,000 to 20,000 psi
Dial Size:	4½"
Process Connection:	¼ NPT Male or ½ NPT Male
Process Connection Location:	Lower
Dial:	Aluminum, white background, black figures and intervals
Weather Protection:	Dry case: Case not sealed, recommended for weather protected environment only Liquid filled or field fillable: IP65, NEMA 4
Mounting Options:	Stem or Surface
Pointer:	Micrometer adjustable, Aluminum
Movement:	Rotary, adjustable, SS Teflon [®] coated
Approvals:	CRN

WETTED COMPONENTS

Bourdon Tube	Process Connection	Joints
316L SS	316L SS	Welded

NON-WETTED COMPONENTS

Case	Ring	Window
Polished SS	Polished SS, Bayonet Lock	Glass

KEY BENEFITS

- 316L Stainless steel wetted parts for corrosion resistance
- Micrometer adjustable pointer for easy zero adjustment
- Rugged construction

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)

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ORDERING CODE	Example:	451020	S	02	L	-XPD	1000#
Dial Size/Model							
451020 - 4½" stainless steel case, open front		451020					
System							
S - 316 Stainless steel			S				
Connection Size							
02 - ¼ NPT Male				02			
04 - ½ NPT Male							
Connection Location							
L - Lower mount connection only						L	
Optional Features (if choosing an option(s) must include an "X")							-X_
D3 - DuraVis™ Retroreflective Dial (dry case only)							
PD - Acrylic Window							PD
SG - Safety Glass window							
Range (coding examples only see range tables below for all standard ranges)							
Single Scales							
1000# - 1,000 psi							1000#

Standard Metric Ranges

Range		Dial Graduations		Range		Dial Graduations		Outer Scale when Dual Range Specified (psi)
kg/cm ²	bar	Figure Interval	Minor Graduations	kPa	Figure Interval	Minor Graduations		
0/60	0/60	5	1	0/6000	500	100	0/850	
0/100	0/100	10	1	0/10000	1000	100	0/1400	
0/160	0/160	20	2	0/16000	2000	200	0/2200	
0/250	0/250	50	5	0/25000	5000	200	0/3500	
0/400	0/400	50	5	0/40000	5000	500	0/5500	
0/600	0/600	50	10	0/60000	5000	500	0/8500	
0/1000	0/1000	100	10	0/100000	10000	1000	0/14000	
0/1600	0/1600	200	20	0/160000	20000	2000	0/22000	

Standard PSI Ranges

psi	Figure Interval	Minor Graduations
0/1000	100	10
0/2000	200	20
0/3000	300	50
0/5000	500	50
0/10000	1000	100
0/20000	2000	200

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DIMENSIONS in [] are millimeters

For reference only, consult Ashcroft for specific dimensional drawings

Dial Size Inches	A	B	C	D	G	I	S	Weight (lbs)
4 1/2	4.76 [121]	2.06 [53]	5.03 [130]	0.94 [24]	4.06 [103]	0.63 [16]	0.47 [12]	1.75 0.8 kg

