

1020 Precision Test Gauge

Highlights

- 0.1 % FS accuracy
- Linear dials, span micro-adjust and zero reference adjust simplify recalibration
- Available in ranges from 1 bar (15 psi) to 700 bar (10 000 psi)
- Available in dial sizes of 180 mm (7 in), 215 mm (8.5 in) or 300 mm (12 in)
- Easy-to-read high resolution dial with polished mirror to eliminate parallax error
- Able to withstand 120 % full scale pressure with no calibration shift and 200 % full scale pressure without damage
- All units are provided in dual scale (psi and bar)

Description

The Fluke Calibration 1020 Precision Test Gauge can be used in both industrial and laboratory applications where precise measurement of pressure is required. As a purely mechanical device, the Fluke 1020 is not dependent upon line voltage or internal electronics.

The Fluke Calibration 1020 is an easy-to-use measurement device. The anti-parallax mirror and white outer ring provides maximum user resolution in this style of gauge. All materials utilized are selected to be corrosion resistant and provide superior measurement capabilities. Bronze bushings are used to ensure low friction and long term precision. The Ni-Span C bourdon tube results in low hysteresis and improved linearity over similar gauges on the market. As a result, all gauge dials are linear and for the same pressure range are interchangeable in the field.

Specifications

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Accuracy	0.1 % FS (Includes all effects of linearity, repeatability, and hysteresis)
Calibration	All gauges come calibrated with test certificate showing traceability
Proof pressure	120 % of maximum rated pressure
Burst pressure	200 % of maximum rated pressure
Gauge size	Three sizes available: 180 mm (7 in), 215 mm (8.5 in), or 300 mm (12 in)
Process connection	¼ NPT female or ¼ BSP female
Connection location	180 mm (7 in) – bottom mount 215 mm (8.5 in) – back mount 300 mm (12 in) – back mount
Needle movement – full scale	310° dial arc
Ambient/service temperature	-25 °F to 125 °F (-32 °C to +52 °C)
Operating media	Any media suitable for contact with Ni-Span C, 300 series stainless steel and Buna-N
Materials of construction	Case: Aluminum Bourdon tube: Ni-Span C Process connection: 316 SS Crystal: Lexan

Models and Accessories

Model Name	Description
1020-BG200K-1-N	Test Gauge, -30 INHG TO 30 PSI (-1 TO 2 BAR), 180 MM, NPT
1020-G100K-1-N	Test Gauge, 15 PSI (1 BAR), 180 MM, NPT
1020-G200K-1-N	Test Gauge, 30 PSI (2 BAR), 180 MM, NPT
1020-G700K-1-N	Test Gauge, 100 PSI (7 BAR), 180 MM, NPT
1020-G1.4M-1-N	Test Gauge, 200 PSI (14 BAR), 180 MM, NPT
1020-G2M-1-N	Test Gauge, 300 PSI (20 BAR), 180 MM, NPT
1020-G3.5M-1-N	Test Gauge, 500 PSI (35 BAR), 180 MM, NPT
1020-G7M-1-N	Test Gauge, 1000 PSI (70 BAR), 180 MM, NPT
1020-G14M-1-N	Test Gauge, 2000 PSI (140 BAR), 180 MM, NPT
1020-G20M-1-N	Test Gauge, 3000 PSI (200 BAR), 180 MM, NPT
1020-G35M-1-N	Test Gauge, 5000 PSI (350 BAR), 180 MM, NPT
1020-G70M-1-N	Test Gauge, 10000 PSI (700 BAR), 180 MM, NPT
1020-BG200K-1-B	Test Gauge, -30 INHG TO 30 PSI (-1 TO 2 BAR), 180 MM, BSP
1020-G100K-1-B	Test Gauge, 15 PSI (1 BAR), 180 MM, BSP
1020-G200K-1-B	Test Gauge, 30 PSI (2 BAR), 180 MM, BSP
1020-G700K-1-B	Test Gauge, 100 PSI (7 BAR), 180 MM, BSP
1020-G1.4M-1-B	Test Gauge, 200 PSI (14 BAR), 180 MM, BSP
1020-G2M-1-B	Test Gauge, 300 PSI (20 BAR), 180 MM, BSP
1020-G3.5M-1-B	Test Gauge, 500 PSI (35 BAR), 180 MM, BSP
1020-G7M-1-B	Test Gauge, 1000 PSI (70 BAR), 180 MM, BSP
1020-G14M-1-B	Test Gauge, 2000 PSI (140 BAR), 180 MM, BSP

1020-G20M-1-B	Test Gauge, 3000 PSI (200 BAR), 180 MM, BSP
1020-G35M-1-B	Test Gauge, 5000 PSI (350 BAR), 180 MM, BSP
1020-G70M-1-B	Test Gauge, 10000 PSI (700 BAR), 180 MM, BSP
1020-BG200K-2-N	Test Gauge, -30 INHG TO 30 PSI (-1 TO 2 BAR), 215 MM, NPT
1020-G100K-2-N	Test Gauge, 15 PSI (1 BAR), 215 MM, NPT
1020-G200K-2-N	Test Gauge, 30 PSI (2 BAR), 215 MM, NPT
1020-G700K-2-N	Test Gauge, 100 PSI (7 BAR), 215 MM, NPT
1020-G1.4M-2-N	Test Gauge, 200 PSI (14 BAR), 215 MM, NPT
1020-G2M-2-N	Test Gauge, 300 PSI (20 BAR), 215 MM, NPT
1020-G3.5M-2-N	Test Gauge, 500 PSI (35 BAR), 215 MM, NPT
1020-G7M-2-N	Test Gauge, 1000 PSI (70 BAR), 215 MM, NPT
1020-G14M-2-N	Test Gauge, 2000 PSI (140 BAR), 215 MM, NPT
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1020-G35M-2-N	Test Gauge, 5000 PSI (350 BAR), 215 MM, NPT
1020-G70M-2-N	Test Gauge, 10000 PSI (700 BAR), 215 MM, NPT
1020-BG200K-2-B	Test Gauge, -30 INHG TO 30 PSI (-1 TO 2 BAR), 215 MM, BSP
1020-G100K-2-B	Test Gauge, 15 PSI (1 BAR), 215 MM, BSP
1020-G200K-2-B	Test Gauge, 30 PSI (2 BAR), 215 MM, BSP
1020-G700K-2-B	Test Gauge, 100 PSI (7 BAR), 215 MM, BSP
1020-G1.4M-2-B	Test Gauge, 200 PSI (14 BAR), 215 MM, BSP
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1020-G70M-2-B	Test Gauge, 10000 PSI (700 BAR), 215 MM, BSP
1020-BG200K-3-N	Test Gauge, -30 INHG TO 30 PSI (-1 TO 2 BAR), 300 MM, NPT
1020-G100K-3-N	Test Gauge, 15 PSI (1 BAR), 300 MM, NPT
1020-G200K-3-N	Test Gauge, 30 PSI (2 BAR), 300 MM, NPT
1020-G700K-3-N	Test Gauge, 100 PSI (7 BAR), 300 MM, NPT
1020-G1.4M-3-N	Test Gauge, 200 PSI (14 BAR), 300 MM, NPT
1020-G2M-3-N	Test Gauge, 300 PSI (20 BAR), 300 MM, NPT
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1020-G35M-3-N	Test Gauge, 5000 PSI (350 BAR), 300 MM, NPT
1020-G70M-3-N	Test Gauge, 10000 PSI (700 BAR), 300 MM, NPT
1020-BG200K-3-B	Test Gauge, -30 INHG TO 30 PSI (-1 TO 2 BAR), 300 MM, BSP
1020-G100K-3-B	Test Gauge, 15 PSI (1 BAR), 300 MM, BSP
1020-G200K-3-B	Test Gauge, 30 PSI (2 BAR), 300 MM, BSP
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