717 30G and 100G Pressure Calibrators

Compact, lightweight, and easy to carry

717 30G and 100G Pressure Calibrators

• Measure pressure, 0.05% of full scale with internal 30 or 100 psig sensor
  - 1/8 NPT pressure fitting
  - Compatible with non-corrosive gases and liquids
• Measure pressure to 10,000 psi/69 mPa using one of 29 Fluke 700Pxx Pressure Modules
• Measure mA with 0.025% accuracy and 0.001 mA resolution, while sourcing 24 V loop power
• Calibrate P/I or I/P transmitter with simultaneous pressure and current measurement
• Select from eleven different engineering units
• Zero, min, max, and hold functions

General features

• Compact and lightweight
• Simple controls
• Clear, 5-digit, liquid crystal display
• Operating temperature: -10 °C to 55 °C
• Safety: CSA C22.2 No. 1010.1:1992
• Three-year warranty
• Included:
  - Fluke 717 30G or 100G Pressure Calibrator
  - Protective yellow holster with Flex-Stand™
  - Test leads and alligator clips
  - Single 9 V alkaline battery
  - Instructions (14 languages)

General specifications

Maximum voltage: 30 volts
Non-operating temperature: -40 °C to 60 °C
Operating temperature: -10 °C to 55 °C
Relative humidity: 95% (10 °C to 30 °C); 75% (30 °C to 40 °C); 45% (40 °C to 50 °C); 35% (50 °C to 60 °C)
Operating altitude: 3,000 m max
Shock: 1 m drop test
Vibration: Random, 2 g, 5-500 Hz
Safety: CSA C22.2 No. 1010.1:1992
EMC: EN50082-1:1992 and EN5022:1994 Class B
Size/weight: 187 mm L x 87 mm W x 32 mm D (7.35 in L x 3.41 in W x 1.25 in D) 330 g (12 oz)
Size/weight (with holster and FlexStand™): 201 mm L x 98 mm W x 52 mm D (7.93 in L x 3.86 in W x 2.06 in D) 600 g (21 oz)
Power: 9 V battery ANSI/NEDA 1604A or IEC 6LR619V alkaline
Battery life: 4 to 20 hours, typical, depending on functions used
Warranty: Three years

Specifications (18 °C to 28 °C, one year)

<table>
<thead>
<tr>
<th>Function</th>
<th>Range</th>
<th>Resolution</th>
<th>Accuracy</th>
<th>Notes</th>
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<tbody>
<tr>
<td>717 100G Measure pressure¹ (internal sensor)</td>
<td>-12 - 100 psi (83 - 690 kPa)</td>
<td>0.01 psi (10.1 kPa)</td>
<td>0.05% FS</td>
<td>Gases/liquids (non-corrosive) zero, min, max, hold, damp</td>
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<tr>
<td>Over pressure 3xFS</td>
<td></td>
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<tr>
<td></td>
<td>717 30G Measure pressure¹ (internal sensor)</td>
<td>-12 - 30 psi (83 - 207 kPa)</td>
<td>0.001 psi (0.01 kPa)</td>
<td>0.05% FS</td>
</tr>
<tr>
<td>Over pressure 3xFS</td>
<td></td>
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</tr>
<tr>
<td>Measure pressure¹ (with pressure modules) over pressure per pressure module specs</td>
<td>29 pressure modules, 10 in. H2O/2.5 kPa to 760001 psi, per pressure module specs²</td>
<td>To 0.0001 psi, per pressure module specs²</td>
<td>To .025% of full span, per pressure module specs²</td>
<td>Media compatibility per pressure module specs² zero, min, max, hold, damp</td>
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<tr>
<td></td>
<td>Measure mA</td>
<td>0 to 24 mA</td>
<td>0.001 mA</td>
<td>0.025% + 1 count</td>
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<tr>
<td>Loop supply</td>
<td>24 V dc</td>
<td>N/A</td>
<td>± 10%</td>
<td></td>
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</tbody>
</table>

¹Supported pressure units: psi, in. H2O (4 °C), in. H2O (20 °C), cm H2O (4 °C), cm H2O (20 °C), bar, mbar, kPa, inHg, mmHg, kg/cm²
²See pressure module specs, per lit code 1281620