Fluke 700G Series
Precision Pressure Test Gauges

Technical Data

Features
• Precision pressure measurement from 15 psi/1 bar to 10,000 psi/690 bar
• Accuracy to 0.05 % of full scale
• Easy to use, rugged construction for reliable performance
• CSA; Class 1, Div 2, Groups A-D rating
• ATEX: rating: II 3 G Ex nA IIB T6
• Combine with the 700PTPK or 700HTPK pump kits for a complete pressure testing solution for up to 600 psi with the PTP-1 pneumatic pump and up to 10,000 psi with the HTP-2 hydraulic pump
• Log up to 8,493 pressure measurements to memory (requires 700G/TRACK software)
• Three-year warranty

700G/TRACK Logging Software
• Use with 700G Series gauges to perform real time data logging to a PC
• Download logging configurations to the 700G Series gauges for a remote logging event
• Configure logging event reading rate, duration and measurement units
• Upload measurements logged remotely and display or export measurements
• Includes communication cable for connection to a PC

Fluke-700PTPK Pneumatic Test Kit
• Combine with any Fluke-700G Series Gauge, 1,000 psi or less, to make a complete pressure testing kit
• Generate pressure up to 600 psi, 40 bar with the 700PTP-1 test pump.
• Connect the 700G Series gauge directly to the included PTP-1 hand pump
• Includes hoses and adapters for connecting to the pressure device to be tested
• Hard case protects pump and gauge and allows gauge to remain connected to the pump

Fluke-700HTPK Hydraulic Test Kit
• Combine with any Fluke-700G Series Gauge, 1,000 psi range or greater, to make a complete pressure testing kit
• Generate pressure up to 10,000 psi, 690 bar with the included 700HTP-2 test pump
• Connect the 700G Series gauge directly to the HTP-2 hand pump
• Includes 700HTH-1 hose kit and adapters for connecting to the pressure device to be tested
• Hard case protects pump and gauge and allows gauge to remain connected to the pump

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## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Resolution</th>
<th>Accuracy</th>
<th>Burst Pressure</th>
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</thead>
<tbody>
<tr>
<td>700G04</td>
<td>-14 psi to 15 psi</td>
<td>0.001 psi</td>
<td>0.05 % FS</td>
<td>500 psi</td>
</tr>
<tr>
<td></td>
<td>-9.7 bar to 1 bar</td>
<td>0.0001 psi</td>
<td></td>
<td>34 bar</td>
</tr>
<tr>
<td>700G05</td>
<td>-14 psi to 30 psi</td>
<td>0.001 psi</td>
<td>0.05 % FS</td>
<td>500 psi</td>
</tr>
<tr>
<td></td>
<td>-9.7 bar to 2 bar</td>
<td>0.0001 psi</td>
<td></td>
<td>34 bar</td>
</tr>
<tr>
<td>700G06</td>
<td>-12 psi to 100 psi</td>
<td>0.01 psi</td>
<td>0.1 % FS</td>
<td>1000 psi</td>
</tr>
<tr>
<td></td>
<td>-8.3 bar to 6.9 bar</td>
<td>0.001 psi</td>
<td></td>
<td>69 bar</td>
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<tr>
<td>700G27</td>
<td>-12 psi to 300 psi</td>
<td>0.01 psi</td>
<td>Positive pressure</td>
<td>2000 psi</td>
</tr>
<tr>
<td></td>
<td>-8.3 bar to 20 bar</td>
<td>0.001 psi</td>
<td>± 0.05 % FS</td>
<td>138 bar</td>
</tr>
<tr>
<td>700G07</td>
<td>-12 psi to 500 psi</td>
<td>0.01 psi</td>
<td></td>
<td>2000 psi</td>
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<td></td>
<td>-8.3 bar to 34 bar</td>
<td>0.001 psi</td>
<td></td>
<td>138 bar</td>
</tr>
<tr>
<td>700G08</td>
<td>-14 psi to 1000 psi</td>
<td>0.1 psi</td>
<td>Vacuum</td>
<td>10000 psi</td>
</tr>
<tr>
<td></td>
<td>-9.7 bar to 69 bar</td>
<td>0.001 bar</td>
<td>± 0.1 % FS</td>
<td>690 bar</td>
</tr>
<tr>
<td>700G29</td>
<td>-14 psi to 3000 psi</td>
<td>0.1 psi</td>
<td></td>
<td>10000 psi</td>
</tr>
<tr>
<td></td>
<td>-9.7 bar to 200 bar</td>
<td>0.01 bar</td>
<td></td>
<td>690 bar</td>
</tr>
<tr>
<td>700G30</td>
<td>-14 psi to 5000 psi</td>
<td>0.1 psi</td>
<td></td>
<td>10000 psi</td>
</tr>
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<td>-9.7 bar to 340 bar</td>
<td>0.01 bar</td>
<td></td>
<td>690 bar</td>
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<tr>
<td>700G31</td>
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<td>1 psi</td>
<td></td>
<td>15000 psi</td>
</tr>
<tr>
<td></td>
<td>-8.7 bar to 690 bar</td>
<td>0.01 bar</td>
<td></td>
<td>1035 bar</td>
</tr>
</tbody>
</table>

Temperature compensation: 15 °C to 35 °C (59 °F to 95 °F) to rated accuracy
For temperatures from -10 °C to 15 °C and 35 °C to 55 °C, add .003 % FS/°C

### Media compatibility
- 15, 30 psi: any clean dry non-corrosive gas
- 100, 300, 1000 psi: any liquids or gases compatible with 316 stainless steel and start above 1000 psi: any non-flammable, non-toxic, non-explosive, non-corrosive liquid or gas compatible with 316 stainless steel.

### Mechanical specifications
- Dimensions (HxWxD): 12.7 cm x 11.4 cm x 3.7 cm (5 in x 4.5 in x 1.5 in)
- Pressure connection: ¼ in NPT Male
- Housing/Weight: Cast ZNAL/0.56 kg (1.22 lb) with holster
- Display: 5-1/2 digits, 16.53 mm (0.65 in) high 20-segment bar graph, 0 to 100 %
- Power: Three AA alkaline batteries
- Battery life: 1,500 hours without backlight (continuous on), 2,000 hours at slow sample rate

## Ordering information

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>FLUKE-700G04</td>
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<tr>
<td>FLUKE-700G06</td>
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<tr>
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<td>Pressure Gauge, 300 PSIG</td>
</tr>
<tr>
<td>FLUKE-700G07</td>
<td>Pressure Gauge, 500 PSIG</td>
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<tr>
<td>FLUKE-700G08</td>
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<tr>
<td>FLUKE-700G31</td>
<td>Pressure Gauge, 10,000 PSIG</td>
</tr>
<tr>
<td>700G/TRACK</td>
<td>Data logging software and cable</td>
</tr>
<tr>
<td>FLUKE-700PTPK</td>
<td>Pneumatic test pump kit, 0 TO 600 PSI/40 BAR</td>
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<tr>
<td>FLUKE-700HPTPK</td>
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### Included accessories (Gauges)
- Manual on CD-ROM in 14 languages
- NIST traceable certificate of calibration
- 1/4” NPT to 1/4” ISO adapter

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