

# 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 8493 pressure measurements to memory (requires 700G/TRACK software)
- Three-year warranty



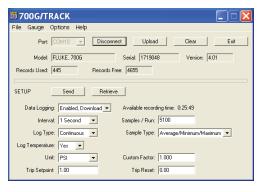
#### Fluke-700PTPK Pneumatic Test Kit

- 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



## 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



### **Specifications**

| Model  | Range                | Resolution | Accuracy             | Burst Pressure |
|--------|----------------------|------------|----------------------|----------------|
| 700G04 | -14 psi to 15 psi    | 0.001 psi  |                      | 500 psi        |
|        | 97 bar to 1 bar      | 0.0001 bar |                      | 34 bar         |
| 700G05 | -14 psi to 30 psi    | 0.001 psi  |                      | 500 psi        |
|        | 97 bar to 2 bar      | 0.0001 bar |                      | 34 bar         |
| 700G06 | -12 psi to 100 psi   | 0.01 psi   |                      | 1000 psi       |
|        | 83 bar to 6.9 bar    | 0.0001 bar |                      | 69 bar         |
| 700G27 | -12 psi to 300 psi   | 0.01 psi   | Positive pressure    | 2000 psi       |
|        | 83 bar to 20 bar     | 0.001 bar  | ± 0.05 % FS          | 138 bar        |
| 700G07 | -12 psi to 500 psi   | 0.01 psi   |                      | 2000 psi       |
|        | 83 bar to 34 bar     | 0.001 bar  |                      | 138 bar        |
| 700G08 | -14 psi to 1000 psi  | 0.1 psi    | 17                   | 10000 psi      |
|        | 97 bar to 69 bar     | 0.001 bar  | Vacuum<br>± 0.1 % FS | 690 bar        |
| 700G29 | -14 psi to 3000 psi  | 0.1 psi    |                      | 10000 psi      |
|        | 97 bar to 200 bar    | 0.01 bar   |                      | 690 bar        |
| 700G30 | -14 psi to 5000 psi  | 0.1 psi    |                      | 10000 psi      |
|        | 97 bar to 340 bar    | 0.01 bar   |                      | 690 bar        |
| 700G31 | -14 psi to 10000 psi | 1 psi      |                      | 15000 psi      |
|        | 97 bar to 690 bar    | 0.01 bar   |                      | 1035 bar       |

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-oxidizing 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       | 1/4 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**

#### Model

FLUKE-700G04 Pressure Gauge, 15 PSIG

FLUKE-700G05 Pressure Gauge, 30 PSIG

FLUKE-700G06 Pressure Gauge, 100 PSIG

FLUKE-700G27 Pressure Gauge, 300 PSIG

FLUKE-700G07 Pressure Gauge, 500 PSIG

FLUKE-700G08 Pressure Gauge, 1,000 PSIG

FLUKE-700G29 Pressure Gauge, 3,000 PSIG

FLUKE-700G30 Pressure Gauge, 5,000 PSIG

FLUKE-700G31 Pressure Gauge, 10,000 PSIG

700G/TRACK Data logging software and cable FLUKE-700PTPK Pneumatic test pump kit, 0 TO 600 PSI/40 BAR

FLUKE-700HTPK Hydraulic test pump kit, 0 TO 10,000 PSI/690 BAR

#### **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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