

Fluke 700G Series Precision Pressure Test Gauges

PSI

100

Technical Data



- 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



KE 700G

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

2700G/TRACK
File Gauge Options Help
Port COM10 - Disconnect Upload Clear Exit
Model: FLUKE, 700G Serial: 1719048 Version: 4.01
Records Used: 445 Records Free: 4655
SETUP Send Retrieve
Data Logging: Enabled, Download 💌 Available recording time: 0:25:49
Interval: 1 Second 💌 Samples / Run: 5100
Log Type: Continuous 💌 Sample Type: Average/Minimum/Maximum 💌
Log Temperature: Yes 💌
Unit: PSI Custom Factor: 1.000
Trip Setpoint: 1.00 Trip Reset: 0.00

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

Quality Fluke Products Online at:

www.GlobalTestSupply.com

sales@GlobalTestSupply.com



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 ± 0.05 % FS	2000 psi	
	83 bar to 20 bar	0.001 bar		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 ± 0.1 % FS	690 bar	
700G29 700G30	-14 psi to 3000 psi	0.1 psi		10000 psi	
	97 bar to 200 bar	0.01 bar		690 bar	
	-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-700G04Pressure Gauge, 15 PSIGFLUKE-700G05Pressure Gauge, 30 PSIGFLUKE-700G06Pressure Gauge, 100 PSIGFLUKE-700G27Pressure Gauge, 300 PSIGFLUKE-700G08Pressure Gauge, 500 PSIGFLUKE-700G29Pressure Gauge, 1,000 PSIGFLUKE-700G30Pressure Gauge, 3,000 PSIGFLUKE-700G31Pressure Gauge, 10,000 PSIGFLUKE-700G31Pressure Gauge, 10,000 PSIGFLUKE-700FTPKPneumatic test pump kit, 0 T0 600 PSI/40 BARFLUKE-700HTPKHydraulic test pump kit, 0 T0 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 Fluke. Keeping your world up and running.®

Fluke Corporation

PO Box 9090, Everett, WA 98206 U.S.A. Fluke Europe B.V.

PO Box 1186, 5602 BD Eindhoven, The Netherlands

For more information call:

In the U.S.A. (800) 443-5853 or Fax (425) 446-5116 In Europe/M-East/Africa +31 (0) 40 2675 200 or Fax +31 (0) 40 2675 222 In Canada (800)-36-FLUKE or Fax (905) 890-6866 From other countries +1 (425) 446-5500 or Fax +1 (425) 446-5116 Web access: http://www.fluke.com

©2011 Fluke Corporation. Specifications subject to change without notice. Printed in U.S.A. 11/2011 4131179A D-EN-N

Modification of this document is not permitted without written permission from Fluke Corporation.

Quality Fluke Products Online at:

www.GlobalTestSupply.com

sales@GlobalTestSupply.com