

General specifications

Data log function

Measure functions: Voltage, current, resistance, frequency, temperature, pressure

Reading rate: 1, 2, 5, 10, 20, 30, or 60 readings per minute

Maximum record length: 8000 readings (7980 for 30 or 60 readings per minute)

Ramp function

Source functions: Voltage, current, resistance, frequency, temperature

Rate: 4 steps/second

Trip detect: Continuity* or voltage

**Continuity detection not available when sourcing current*

Loop power function

Voltage: 26 V

Accuracy: 10 %, 18 V minimum at 22 mA

Maximum current: 25 mA, short-circuit protected

Maximum input voltage: 50 V dc

Note: 250 Ω series resistance is automatically supplied whenever loop power is enabled on 754.

HART modem interface (754 only)

Maximum input voltage: 30 V dc

Environmental specifications

All calibrator specifications apply from +18 °C to +28 °C unless stated otherwise.

Operating temperature: -10 °C to 50 °C

Storage temperature: -20 °C to 60 °C

Operating altitude: 3000 m above mean sea level (9842 ft)

90-day specifications: The standard specification intervals for the 750 Series are 1 and 2 years. Typical 90-day measurement and source accuracy can be estimated by dividing the one year “% of reading” or “% of output” specifications by 2. Floor specifications, expressed as “% of f.s.” or “counts” or “ohms” remain constant.

Ingress protection: IP-52

Power: Internal battery pack li-ion, 7.2 V, 4400 mAh, 30 Wh; **Battery life:** Typical usage, >8 hours

Dimensions: 136mm x 245mm x 63 mm (5.4 in x 9.6 in x 2.5 in)

Weight: 1.2 kg (2.7 lb)

Side port connections:

- Pressure module connector
- USB connector to interface to your PC
- Digital instrument (HART) connector
- Connection for optional battery charger/eliminator

Safety: Complies with CAN/CSA C22.2 No 1010.1-92, ANSI/ISA S82.01-1994, UL3111, and EN610-1:1993.

Data storage capacity:

1 week of calibration procedures and results

Ordering information

FLUKE-753 Documenting Process Calibrator

FLUKE-754 Documenting Process Calibrator-HART

Standard accessories include: Three sets of stackable test leads, three sets of TP220 test probes with three sets of “extended tooth” alligator clips, two sets AC280 hook clips, BP7240 Li-ion battery pack, BC7240 battery charger, C799 field soft case, USB communication cable, getting started guide, instruction manual on CDROM, NIST traceable certificate of calibration, DPC/TRACK 2 sample software that enables upload and printing of calibration records. Model Fluke-754 includes HART communication cable. Includes C799 Field Soft Case. Includes three year warranty.

FLUKE-750SW DPC/TRACK 2 Software

Included with DPC/TRACK 2 software:
Software media, Instruction Manual, USB Cable.

FLUKE-700 Pxx Pressure Modules

Included with each Fluke Pressure Module:
BP-ISO Adapter(s) (except with P29 - P31), Instruction Sheet, NIST traceable calibration report and data, one-year warranty.

Accessories

Fluke-700PMP

Fluke-700LTP-1

Fluke-700PTP-1

Fluke-700HTP-2

Fluke-700HTH-1

Fluke-700PRV-1

Fluke-700-IV

Fluke-700PCK

Fluke-700TC1

Fluke-700TC2

Fluke-700TLK

754HCC

BC7240

BP7240

C700

C781

C799

Pressure Pump; 100 psi/7 bar

Low Pressure Test Pump

Pneumatic Test Pump;

400 psi/40 bar

Hydraulic Test Pump;

10,000 psi/700 bar

Hydraulic Test Hose

Pressure Relief Valve Kit for HTP

Current Shunt (for mA/mA applications)

Pressure Calibration Kit

TC Mini-Plug Kit, 9 types

TC Mini-Plug Kit, JKTERS

Process Test lead kit

Smart instrument

communication cable

Battery Charger

Li-ion Battery Pack

Hard Carrying Case

Soft Carrying Case

Soft Field Case



Fluke. The Most Trusted Tools in the World.

Fluke Corporation

PO Box 9090,
Everett, WA 98206 U.S.A.

For more information call:

In the U.S.A. (800) 443-5883 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>

©2004-2013 Fluke Corporation. Specifications subject to change without notice.
Printed in U.S.A. 10/2013 1263323MA_EN

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