

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 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	Pressure Pump; 100 psi/7 bar
Fluke-700LTP-1	Low Pressure Test Pump
Fluke-700PTP-1	Pneumatic Test Pump; 400 psi/40 bar
Fluke-700HTP-1	Hydraulic Test Pump; 10,000 psi/700 bar
Fluke-700HTH-1	Hydraulic Test Hose
Fluke-700PRV-1	Pressure Relief Valve Kit for HTP
Fluke-700-IV	Current Shunt (for mA/mA applications)
Fluke-700PCK	Pressure Calibration Kit
Fluke-700BCW	Bar Code Wand
Fluke-700TC1	TC Mini-Plug Kit, 9 types
Fluke-700TC2	TC Mini-Plug Kit, JKTERS
Fluke-700TLK	Process Test lead kit
754HCC	Smart instrument communication cable
BC7240	Battery Charger
BP7240	Li-ion Battery Pack
C700	Hard Carrying Case
C781	Soft Carrying Case
C799	Soft Field Case



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