

750 Series Documenting Process Calibrators

FLUKE®

New



Fluke 754



Fluke 753



Work smarter. Work faster

Whether you're calibrating instruments, troubleshooting a problem or running routine maintenance, Fluke 750 series process calibrators can help you get the job done faster. It does so many different tasks, so quickly and so well, it's the only process calibrator you need to carry.

- Measure volts, mA, RTDs, thermocouples, frequency, and ohms to test sensors, transmitters and other instruments
- Source/simulate volts, mA, thermocouples, RTDs, frequency, ohms, and pressure to calibrate transmitters
- Power transmitters during test using loop supply with simultaneous mA measurement
- Measure/source pressure using any of 29 Fluke pressure modules
- Measure and source simultaneously with one compact, rugged, reliable tool
- Create and run automated as-found/as-left procedures to satisfy quality programs or regulations. Record and document results
- Advanced features like autostep, custom units, user entered values during test, one-point and two-point switch testing, square root DP flow testing, programmable measurement delay and more
- Control the temperature of selected Hart Scientific Dry Blocks
- Handle fast pulsed RTD transmitters and PLCs in RTD source mode with 1 ms response time
- English, French, German, Italian, and Spanish languages
- Three-year warranty

753: A complete documenting calibrator

The 753 Documenting Process Calibrator automates calibration procedures and captures your data. Use the PC interface for downloading procedures, lists, and instructions to the 753 and for uploading data for printing, archiving and analysis.

754: Get HART-ability

The 754 offers all of the capabilities of the 753, plus integrated HART communication capability. This rugged, reliable tool is ideal for calibrating, maintaining, and troubleshooting HART and other instrumentation.

Instrumentation Management Software

The Fluke 753 and 754 are compatible with Fluke 700SW DPC/TRACK software and with software from Cornerstone, Fisher-Rosemont, Honeywell, Yokogawa, Prime Technologies and On Time Support.

Included Accessories

Stackable test leads (3 sets), TP220 test probes (3 sets) with extended tooth™ alligator clips (3 sets), AC280 hook clips (2 sets), 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, DPCTrack™ 2 sample software that enables upload and printing of calibration records. HART communication cable (754 only).

Ordering Information

Fluke 753	Documenting Process Calibrator
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700 TLK	Process test lead kit
BP7240	753/754 Spare battery
750 SW	DPC/Track2
BC7240	753/754 Battery charger/eliminator
754HCC	754 HART communication cable

Specifications

(Check the Fluke web for detailed specifications)

Function	Measure	Sourcing
Voltage DC	0.02% + 0.005 mV	0.01% + 0.005 mV
Current DC	0.01% + 5 µA	0.01% + 0.003 mA
Resistance	0.05% reading + 50 mΩ	0.01% output + 10 mΩ
Frequency	0.05 Hz	0.01 Hz
Thermocouples	0.3°C	0.2°C
RTDs	0.07 °C	0.06 °C
Pressure	To 0.05% of full scale. See Pressure Module specifications.	

Operating temperature: -10° C to 50° C

Storage temperature: -20° C to 60° C

Safety: CAT II 300V

Battery Life: Typically over eight hours

Internal Battery Pack: li-ion, 7.2V, 4400 mAh, 30 Wh

Battery Replacement: Via snap-shut door without opening calibrator; no tools required

Weight: 1.2 kg

Size (HxWxD): 245 mm x 136 mm x 63 mm

Three Year Warranty

Recommended Accessories



C799
See page 130



TL220-1
See page 122



80PK-8
See page 128



80PK-25
See page 128



700P27
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