

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

FLUKE

Fluke 754 Documenting Process Calibrator with HART communication

Fluke 754 Documenting Process Calibrator with HART The Fluke 754 is a rugged multifunction documenting process calibrator with built-in HART communication for field calibration of transmitters and loops. It sources and measures voltage, current, resistance, frequency, temperature, and pressure (with modules), logs results, and documents procedures without a separate HART communicator for everyday tasks. Li-ion battery pack supports typical >8 hour operation. The Fluke 754 is a rugged multifunction documenting process calibrator with built-in HART communication for field calibration of transmitters and loops. It sources and measures voltage, current, resistance, frequency, temperature, and pressure (with modules), logs results, and documents procedures without a separate HART communicator for everyday tasks. Li-ion battery pack supports typical >8 hour operation.



MODEL

Fluke 754

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

754

LISTING

<https://aumictechlabs.com/products/754-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 754 Documenting Process Calibrator with HART communication is a handheld, all-in-one instrument for calibrating, maintaining, and troubleshooting process instrumentation. It combines measurement, sourcing, and simulation of electrical signals, pressure, and temperature with integrated HART protocol support. The device automates calibration procedures, documents

results in onboard memory, and enables data upload for archiving and analysis - supporting ISO 9000, FDA, EPA, and OSHA compliance requirements.

Technical Specifications

Electrical Signals
Voltage: AC/DC to 300 V
Current: DC mA loop to 110 mA
Resistance: 10 Ω , 100 Ω , 1 k Ω , 10 k Ω
ranges
Frequency: to 50 kHz
Temperature Measurement
Thermocouples: 13 types supported
RTDs (Resistance Temperature Detectors) supported
Pressure Measurement and sourcing via Fluke 700Pxx Pressure Modules (sold separately)
HART Communication Protocol version 5.7 with universal commands, common practice commands, and device-specific commands
Point-to-point, multi-drop, and burst modes
Fast-pulsed RTD support: pulses as short as 1 ms
Device-dependent command support for popular HART transmitter models
Power Rechargeable Li-ion battery: 7.2 V, 4400 mAh, 30 Wh
Battery life: >8 hours typical, up to 10 hours continuous
Direct AC power capability

Key Features
Dual bright white display for simultaneous source and measurement viewing
Automated as-found/as-left calibration procedures
Programmable routines with custom auto-step and ramping
One-point and two-point switch testing; square root DP flow testing
Programmable measurement delay
Data storage: up to one week of procedures and results
Multi-lingual interface (English, French, German, Spanish, Italian)
Battery status gas gauge

Typical Applications
HART device commissioning and verification
Field calibration of transmitters and sensors
Process loop troubleshooting and maintenance
Automated compliance documentation

Compatibility & Integration
Download procedures and upload calibration data via Fluke DPCTrack2 calibration management software for centralized archiving and regulatory reporting.

Features & description

From manufacturer datasheet

Features

- Built-in HART communication; no external box for daily HART work

Applications

- HART transmitter calibration and maintenance

754 Characteristics / Specifications

PARAMETER	VALUE
Model	754
Manufacturer	Fluke
Instrument Type	Documenting Process Calibrator with HART
Alias	Fluke 754; 754 Documenting Process Calibrator HART
DCVmeasure 100 mV 1 year	0.02% + 0.005 mV
DCVmeasure 3 V 1 year	0.02% + 0.00005 V
DCVmeasure 30 V 1 year	0.02% + 0.0005 V
DCVmeasure 300 V 1 year	0.05% + 0.05 V
DC mA measure 30 mA 1 year	0.01% + 5 uA
DC mA measure 110 mA 1 year	0.01% + 20 uA
Resistance measure 10 Ohm 1 year	0.05% + 50 mOhm
DCVsource 100 mV 1 year	0.01% + 0.005 mV
DCVsource 1 V 1 year	0.01% + 0.00005 V
DCVsource 15 V 1 year	0.01% + 0.0005 V
mA source 22 mA 1 year	0.01% + 0.003 mA
mA sink simulate 1 year	0.02% + 0.007 mA
Resistance source 10 Ohm 1 year	0.01% + 10 mOhm
Frequency source upper	50 kHz
Loop power	26 V selectable
Data log capacity	8000 readings
Reading rates	1, 2, 5, 10, 20, 30, or 60 per minute
Size	136 × 245 × 63 mm
Weight	1.2 kg
Battery	Li ion 7.2 V 4400 mAh 30 Wh
Battery life	greater than 8 hours typical

PARAMETER	VALUE
Operating temperature	10 C below zero to 50 C
Ingress protection	IP52
HART	built in communicator functions
Pressure support	with Fluke 700 series pressure modules
TC and RTD measure source	yes Notes Specs from Fluke 754 datasheet / Fluke Calibration pages. Confirm HART device-specific support list and pressure modules included with the unit.

General Specifications & Supplementary Characteristics

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Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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PARAMETER	VALUE
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DCVmeasure 3 V 1 year	0.02% + 0.00005 V
Specifications	
PARAMETER	VALUE
DCVmeasure 30 V 1 year	0.02% + 0.0005 V
DCVmeasure 300 V 1 year	0.05% + 0.05 V
DC mA measure 30 mA 1 year	0.01% + 5 uA
Specifications	
PARAMETER	VALUE
DC mA measure 110 mA 1 year	0.01% + 20 uA
Resistance measure 10 Ohm 1 year	0.05% + 50 mOhm
DCVsource 100 mV 1 year	0.01% + 0.005 mV
Specifications	
PARAMETER	VALUE
DCVsource 1 V 1 year	0.01% + 0.00005 V
DCVsource 15 V 1 year	0.01% + 0.0005 V
mA source 22 mA 1 year	0.01% + 0.003 mA

Specifications

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Notes

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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.