

Fluke 743B Documenting Process Calibrator Features

Whether you are calibrating instruments, troubleshooting a problem ,or running planned maintenance, the multifunction Fluke 743 Documenting Process Calibrators help 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.

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Software

DPC/TRACK software for instrumentation management

Manage your instruments and your calibration data with this easy-to-use instrumentation management database. Create calibration procedures, lists, and instructions on your PC and download them to the 743B. Upload your calibration data back to your PC. Print reports or export data in standard ASCII format.

The scheduling of calibrations, creation of procedures and documentation of your calibration results can also be facilitated by a number of other instrumentation management software packages:

- [Fluke DPC/TRACK](#)
- [Beamex QM6 Quality Manager Calibration Software](#)
- [Cornerstone Cal Station and Base Station](#)
- [Honeywell Loveland DocuMint](#)
- [Fisher Rosemount Asset Management Solutions](#)
- [Blue Mountain Quality Resources](#)

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QM6 is a trademark of Beamex, Inc.

Cornerstone is a trademark of Applied System Technologies.

InstruMint and DocuMint are trademarks of Honeywell. Pressure Modules

Covers virtually any pressure application including gage, differential, dual (compound), absolute, and vacuum.

- Display pressure readings in any of 10 different pressure units you specify in the calibrator setup.
- Rugged urethane molded cases protect the modules from rough handling and harsh conditions.
- Features internal temperature compensation from 0° to 50° C for full accuracy performance.
- Includes NIST-traceable calibration certificate.
- Modules can be calibrated locally, helping to control costs.

A family of twenty eight optional pressure modules provides pressure calibration and measurement capabilities. Twenty-eight modules are available, with basic accuracy specsto 0.05%. Ranges start at 0-10"H₂O (0-2.5kPa) and go to 0-10,000 psi (0-70,000 kPa). Automated procedures

Allow you to quickly set up powerful, automated calibration procedures for linear transmitters, DP flow transmitters, and one- and two-point limit switches. Simply select the appropriate measure and/or source functions and fill out the procedure template. The 740 Series does the rest. It quickly performs the test, calculates the errors, and displays the final results, highlighting out of tolerance points.

Custom Units

Enable you to map one unit to another, such as mV to °C or °F. Allows you to use the Fluke 740 Series with millivolt output accessories such as the Fluke 80T-IR Temperature Probe, and to document tests using non-supported units such as parts per million or revolutions per minute.

User entered values

Enables technicians to record calibration results that were sourced and/or measured by other devices such as panel meters or readout-only devices.

Limit switch calibration

Procedures perform fast, automated calibration of one and two-point limit switches for voltage, current, temperature, and pressure.

Differential pressure flow instrument calibration

Routines use a square root function to directly calibrate DP flow instruments.

Additional Features

Multifunctional

Calibrate temperature, pressure, voltage, current, resistance, and frequency. Since it both measures and sources, you can troubleshoot and calibrate all with one rugged tool.

Powerful, yet easy to use

The easy-to-follow menu-driven display guides you through any task. Get up to speed in minutes, not days. Programmable calibration routines enable you to create and run automated as-found/as-left procedures to ensure fast, consistent, calibrations.

Records and documents results

To support your ISO-9000 or regulatory standards the Fluke 743B capture your calibration results, eliminating the need to juggle a pen and pad in the field. The RS-232 interface lets you transfer the results to a PC, thus saving the time of having to manually transcribe them when you return to the shop.

Truly hand-held

Small enough to fit easily into a tool bag and to use in tight spaces. Runs an entire shift on a rechargeable NiCd battery pack.

Rugged and reliable

Count on Fluke's rugged design to deliver top accuracy and reliability in harsh environments. Overmolded urethane case stands up to rough handling in industrial environments.

Bright white display

Lets you read your results in any kind of light.

Soft keys

Provide one-touch access to enhanced functions such as task lists, automated procedures, scaling, min/max, stepping and ramping, and review memory.

Three operating modes

Measure, Source, or simultaneous Measure/Source, - enable technicians to troubleshoot, calibrate, or maintain instrumentation with just one tool.

Multi-lingual interface

Displays instructions in English, French, German, Spanish, and Italian.

Built-in algebraic calculator

With four functions-plus square root-stores, recalls, and performs calculations required for setting up instruments or evaluating data in the field. Use it to set the source function to a calculated value. There's no need to carry a pencil and paper or a separate calculator.

Programmable measurement delay

Inside automated procedures permits calibrating instruments that respond slowly.

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