Fluke 741B Documenting Process Calibrator
Features

Whether you are calibrating instruments, troubleshooting a problem ,or running planned maintenance, the multifunction Fluke 741 Series Documenting Process Calibrator helps 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.

- Pressure Modules
- Automated procedures
- Custom Units
- User entered values
- Limit switch calibration
- Differential pressure flow instrument calibration
- Additional Features

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-nine optional pressure modules provides pressure calibration and measurement capabilities. Twenty-nine modules are available, with basic accuracy specsto 0.05%. Ranges start at 0-10"H_20 (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 ºC or ºF. 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 741 captures your calibration results, eliminating the need to juggle a pen and pad in the field.

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.