

Short information:

Process Calibrator PIECAL 830

Manufacturer: PIECAL

Get more tools in a smaller calibrator

Carry eight single function calibrators
plus a milliamp calibrator with loop supply
plus a loop troubleshooter in the palm of your hand

**Milliamp • Voltage • Frequency • pH • Ohms • Thermocouples • RTDs • Pressure
• Loop Diagnostics • Transmitter Supply**

First calibrator with FIVE troubleshooting tools

1. Detect hidden loop problems

Quickly diagnose troublesome ground faults & current leakage with patented Loop Diagnostic technology. These problems are undetectable with other instruments!

2. Check all loop parameters at once with the LoopScope

Simultaneously displays current, voltage and resistance to let you know the condition of a live loop. Finds problems with power supplies & loops with too many loads. Patented by PIE!

3. Automatically detect 2, 3 or 4 wire RTDs

Trouble shoot sensor connections and find broken wires with patented technology. LCD indicates which of the four wires are connected to an RTD sensor.

4. Swap out faulty transmitters to diagnose control issues

Easily setup the 830 as a universal isolated transmitter for temperature, frequency, millivolt or pressure. If the loop is back under control you know the transmitter was faulty. Turn on the LoopScope to simultaneously see the loop current, power supply voltage and loop loads for troubleshooting.

5. Troubleshoot wiring problems without a multimeter

Built in continuity checker with beeper quickly finds broken wires or shorts in instrumentation wiring. Also handy for checking operation of relays and controller outputs.

The PIE Model 830 is more than a multifunction calibrator. It is also a loop detective that is able to diagnose common problems that other test equipment just can not find. Have a flooded junction box or unknown ground faults? Our Loop Diagnostic technology will detect it. Or use the LoopScope to see at a glance all the parameters - milliamps, voltage and resistance - in the loop.

Stop throwing away perfectly good transmitters only to find the problem is somewhere else in the loop. Setup the PIE Model 830 as an isolated universal transmitter and turn on the Loop Diagnostics. The display will tell you EXACTLY the sensor input, the current output and if there is any uncontrolled current in the loop due to a ground fault, corrosion bridge or moisture. If the control system sees no problem when the 830 is acting as a transmitter THEN you can replace the faulty transmitter. With RTDs the 830 automatically detects which of the 2, 3 or 4 wires are connected and unbroken quickly alerting you to a sensor problem. Diagnostic features are covered by US Patent #7,248,058.

Price on request

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