

Short information:

Multifunction Diagnostic Process Calibrator PIECAL 820-ELITE

Manufacturer: PIECAL

Lighten up your toolbox

- Compact calibrator replaces toolbox of single function devices
- Milliamp • Voltage • Frequency • pH • Resistance • Thermocouples • RTDs • Check Continuity • Pressure

Technician friendly operation

- Intuitive EZ-DIAL Double Click Menu makes it easier to setup than other multifunction calibrators.
- Similar to the menus as the single function PIECAL Evolution Calibrators. Icons on the display show where to plug in the test leads.

Use it as a milliamp and voltage calibrator

- Source 0.000 to 24.000 mA, 0.00 to 10.250 V dc, -20.00 to 99.999 mV and -500.00 to 999.99 mV
- Read to 24.000 mA, 60.00 V dc ± 99.999 mV and ± 999.99 mV
- Simulate 2-Wire Transmitters
- Power up transmitters & loops with the built-in 24 V power supply.
- Simplify HART hookups with built-in 250 Ohm resistor

Troubleshoot loop problems

- Quickly diagnose ground fault and current leakage with patented loop diagnostic technology (US Patent 7,248,058)

Calibrate directly in temperature (°C & °F)

- The PIECAL 820 works with the instruments you use. Types: J, K, T, E, R, S, B, N, G, C, D, L (J DIN), U (T DIN) and P (Platinel II), Pt 100 Ohm (3850, 3902, 3916, 3926) & 1000 Ohm (3850), Copper 10 & 50 Ohm, Nickel 100 and 120 Ohm

Checkout flow and vibration systems

- Source & read frequency to 2000 CPM (Counts-Per-Minute), 999.00 Hz, 9999.9 Hz, 9.9999 kHz & to 20.000 kHz

Troubleshoot loop & wiring problems

- 'Beep' out connections with the built-in continuity checker

Simulate pH probes into transmitters & analyzers

- Source from 0.000 to 14.000 pH @ 25°C (77°F) corresponding to +414.12 to -414.12 mV

Measure pressure with optional pressure modules

- 32 modules for gauge, differential, compound and absolute pressure

Easy to read

- Turn on the backlight & easily see the display in dark areas of the plant

Quickly set any three outputs plus automatic stepping & ramping

- Easily set any value quickly with the adjustable "DIAL" plus store any three output settings for instant recall with the EZ-CHECK™ switch. Choose between 2, 3, 5 & 11 steps to automatically increment the output in 100%, 50%, 25% or 10% of span.
- Select RAMP to smoothly increase and decrease the output between Zero and Span.
- Set step/ramp time to match your system from 5, 6, 7, 8, 10, 15, 20, 25, 30 and 60 seconds.

Measure temperature sensors, frequency pickups, loop currents, voltage levels & pressures

- Check the values of your process sensors.
- Instantly recall MAX and MIN values to see process variability

Price on request

Article-No.: PIE 820-ELITE