



# PIECAL 820

## Multifunction Process Calibrator

Carry six single function calibrators in the palm of your hand with the PIECAL 820

- **Lighten up your toolbox**

Pocket sized calibrator replaces toolbox of single function devices  
*Milliamp • Voltage • Frequency  
Thermocouples • RTDs • Check Continuity*

- **Technician friendly operation**

Intuitive *EZ-DIAL Double Click Menu* makes it easier to setup than other multifunction calibrators. Uses the same menus as the single function PIECAL Evolution Calibrators.

- **Use it as a milliamp and voltage calibrator**

Source 0 to 24.00 mA, 0 to 10.25 V dc and -10.00 to 110.00 mV  
Read to 24.00 mA,  $\pm 60.00$  V dc and -10.00 to 110.00 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

- **Calibrate directly in temperature ( $^{\circ}$ C &  $^{\circ}$ 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.

- **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 and voltage levels**

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

- **Evolutionary design**

PIECAL Calibrators are designed and built by members of the same team that designed and built the calibrators manufactured by Fluke\* under the Altek\* label. The PIECAL 820 improves upon other brands by including a rubber boot, a backlit display with larger digits, higher accuracy and more ranges for greater flexibility.



Actual Size

\* PIECAL Calibrators are not manufactured or distributed by Fluke Corp or Altek Industries Inc, manufacturers of Altek Calibrators.

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