



The Evolutionary Milliamp Calibrator

PIECAL MODEL 334



Advantages of the PIECAL 334

- **Larger Display**
- **More Resistant to Accidental Damage**
Rubber Boot and Stronger Switches
- **Separate Battery Compartment with 4 "AA" Batteries**
No more removing housing with screwdriver to replace three expensive 9V batteries. Calibration seals remain intact.
- **Calibrate More Devices Between Battery Changes**
Drives more loop instruments (up to 1200 Ohms) for entire battery life

Competitor's 334



PIECAL 434



Advantages of the PIECAL 434

- **Larger Display with Backlight**
Easy viewing in dark locations
- **Easy selection of 250 Ω Hart Compatible Resistor**
No disassembly to move internal jumper
- **Detects Loop Current Leakages**
Measure ground current leakage from faulty wiring, flooded conduit and corrosion bridges. Leakage appears as a *Zero Shift* and helps you decide if the transmitter needs calibration or if there is some problem in the loop wiring.
- **More Resistant to Accidental Damage**
Rubber Boot and Stronger Switches
- **Less Expensive Battery Changes**
Four versus six "AA" batteries

Competitor's 434



PIECAL 134



Advantages of the PIECAL 134

- **Larger Display with Bargraph**
Built-in belt clip
- **Drives More Devices in a Loop**
Full 24 Volt supply versus 18 Volt supply
- **Easy selection of 250 Ω Hart Compatible Resistor**
Requires disassembly to move internal jumper
- **Separate Battery Compartment**
No more removing housing with screwdriver to replace batteries. Calibration seals remain intact.

Competitor's 134





The Evolutionary Thermocouple Calibrator

PIECAL 322



Advantages of the PIECAL 322

- **Automatic Stepping & Ramping**
- **Larger Display with Backlight**
Easy viewing in dark locations
- **More Resistant to Accidental Damage**
Rubber Boot and Stronger Switches
- **Separate Battery Compartment**
No more removing housing with screwdriver to replace batteries. Calibration seals remain intact.
- **Easily Change Thermocouple Types**
Reconfigure without resetting calibrator

Competitor's 322



PIECAL 422



Advantages of the PIECAL 422

- **Automatic Stepping & Ramping**
- **Larger Display with Backlight**
Easy viewing in dark locations
- **More Resistant to Accidental Damage**
Rubber Boot and Stronger Switches
- **Separate Battery Compartment**
No more removing housing with screwdriver to replace batteries. Calibration seals remain intact.
- **Easily Change Thermocouple Types**
Reconfigure without resetting calibrator
- **Verify Cold Junction Temperature & Output**
Secondary display of compensated millivolt setting and cold junction temperature

Competitor's 422



More Than a Simple Boot

Flip out the tilt stand and free up both hands for calibration adjustments

**WHY
PIE?**

PIECAL Calibrators are Evolutionary! They are designed and built by members of the same team that designed and built the calibrators manufactured by Fluke* under the Altek* label.

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



The Evolutionary RTD Calibrator

PIECAL 211



Advantages of the PIECAL 211

- **Compatible with Newer Instrumentation**
Works with Rosemount & Honeywell Smart Transmitters, PLCs, DCSs, Multi-Channel Recorders and other pulsed excitation devices. Higher accuracy at low excitation currents.
- **Automatic Stepping**
- **Larger Display with Backlight**
Easy viewing in dark locations
- **More Resistant to Accidental Damage**
Rubber Boot and Stronger Switches
- **Separate Battery Compartment**
No more removing housing with screwdriver to replace batteries. Calibration seals remain intact.
- **Easily Change RTD Types**
Reconfigure without resetting calibrator

Competitor's 211



PIECAL 311



Advantages of the PIECAL 311

- **Compatible with Newer Instrumentation**
Works with Rosemount & Honeywell Smart Transmitters, PLCs, DCSs, Multi-Channel Recorders and other pulsed excitation devices. Higher accuracy at low excitation currents.
- **More RTD Ranges**
Pt 1000 Ohm Curves - outputs up to 4000 Ohms
- **Automatic Stepping**
- **Larger Display with Backlight**
Easy viewing in dark locations
- **More Resistant to Accidental Damage**
Rubber Boot and Stronger Switches
- **Separate Battery Compartment**
No more removing housing with screwdriver to replace batteries. Calibration seals remain intact.
- **Easily Change RTD Types**
Reconfigure without resetting calibrator
- **Verify RTD Temperature & Output**
Secondary display of Ohms to check against RTD tables

Competitor's 311



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