



# PIECAL 434

## Automated Diagnostic 4-20 mA Calibrator

### Advantages of the PIECAL 434 over the Fluke 707



- **Larger digits on the display with Backlight** - Easy viewing in dark locations
- **More compact with a non slip rubber boot and half the weight**
- **Easier to use**  
Just pick it up, flip the switches and turn the knob - no baffling buttons. Calibrate faster with single handed setting of 4 & 20 mA.
- **Detects loop current leakages (US Patent# 7,248,058)**  
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 a problem in the loop wiring.
- **Easy selection of 250  $\Omega$  HART compatible resistor**  
*No disassembly to move internal jumper - no "opening the case" to check if resistor is enabled*
- **Protected against misconnection to AC voltage**  
Warranted fuse-less protection against misconnection up to 240V. Fluke 707 rated only to 30V. Fluke requires fuse replacement and possible expensive recalibration or repair if exceeded.
- **Calibrate 3 times more instruments between battery changes**  
4 "AA" alkaline batteries provide 3x more battery life than a single 9V alkaline.
- **Calibrate loops with more devices** - 20% higher loop compliance voltage
- **Measures up to 60.00 VDC** - Fluke 707 measures only up to 28VDC



### Advantages of the PIECAL 434 over the Druck UPS-III

- **More resistant to accidental damage**  
Includes a non slip rubber boot with built in stand
- **Larger digits on display**
- **Easier to use**  
Just pick it up, flip the switches and turn the knob - no baffling buttons. Calibrate faster with single handed setting of 4 & 20 mA.
- **Calibrate 3x more instruments between battery changes** - 3x more battery life
- **Calibrate loops with more devices** - 33% higher loop compliance voltage
- **Protected against misconnection to AC voltage**  
Warranted fuse-less protection against misconnection up to 240V. Druck UPS-III rated only to 56V. Druck requires fuse replacement and possible expensive recalibration or repair if exceeded.
- **Measures up to 60.00 VDC**



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