

# Additel 220

## Multifunction Loop Calibrator

- Measure and source loop current, mV, and V
- Measure and source simultaneously
- Loop Continuity Test capability
- 24V loop supply with simultaneous current measurement
- 3 years warranty



### OVERVIEW

The 220 is a highly integrated loop calibrator featuring several patented technologies, the calibrator is an ultra-compact, rugged, and best of all, easy to use hand-held device that will source, simulate and measure loop current, mV/V, Loop Continuity Test, and also perform switch testing. Its smart phone-like menu and interface makes it simple and easy to use. The 220 is ideal for calibrating, maintaining, and troubleshooting various loop devices in the field.

### FEATURES

- **Measuring and sourcing loop current, mV and V**  
Measures loop current up to 30mA with 0.1 $\mu$ A resolution  
Measures voltage signals up to 60 V, and mV signals up to 300 mV  
Sources/sink loop current, mV and V  
24V loop power supply with simultaneous current measurement  
Simultaneous dual reading capability  
Capture switch
- **Data statistics and analysis**  
Display max, min, peak-to-peak, average, and percentage simultaneously  
Convert data to a real physical value through re-scaling function
- **Data logging**  
High-capacity storage with up to twenty thousand records  
On-line view, index, analyze, auto-curve, and list the data
- **Various sources and converting mode**  
Support linear, flow, valve, and 25% stepping source  
Auto-source of ramping and stepping  
Gauge span examination
- **"As Cal" on-site calibration tools**  
Four on-site calibration tools preset: loop indicator, sensor/transmitter, signal isolator/converter, and limit alarm/switch
- **Support 2W transmitter connection**
- **Multi lingual interface**  
English, Simplified Chinese
- **Convenient tools**  
Calculator, thermocouple converter, HOLD screen lock
- **Easy to use**  
Smartphone-like menu and interface make the operation simpler and easier  
Ultra-compact, size 3.9" x 7.6" x 2.0" (100mm x 192mm x 52mm), and weight 1.6 lb (0.7 kg)  
One hand operation
- **Snapshot**  
Save and manage up to 100 snapshots
- **Display**  
3.5 inch TFT color screen  
4, 5, or 6 digits adjustable display
- **Rugged**  
Rugged design for harsh environments.  
Passed a 1-meter drop test  
Three years warranty for the 220, and one year for the battery pack
- **Misuse protection and Electrical isolation**  
Up to 30V voltage on any two sockets and up to 1A current on current sockets will not damage the calibrator. The calibrator will return to normal condition as soon as the voltage or current is removed.  
Measuring, sourcing and loop power circuits are electrically isolated each other.
- **Rechargeable battery**  
Rechargeable Li-ion battery for 15 hours uninterrupted use.  
Battery life will be reduced when 24V is applied.  
The rechargeable battery is replaceable.
- **NIST Traceable Calibration with data**
- **Firmware upgrade**  
Support firmware upgrade when available
- **Warranty: 3 years**

