

# IRT220 Non-Contact 12:1 Laser IR Thermometer

**Instantly measure the temperature with Min/Max of objects without making contact**

## Features:

- Built-in laser identifies the measurement area
- Backlit LCD display with selectable °F or °C readout
- 0.95 fixed emissivity
- Min/Max to monitor lowest and highest measurement readings
- Automatic Data Hold
- Auto power off after 10 seconds
- Complete with 9V battery
- Optional model complete with Certificate of Traceability to N.I.S.T.
- 1-year warranty

## Applications:

- Measure the surface temperature of objects that are too hot to touch or hard to reach
- Measure moving objects



**NIST**  
TRACEABLE  
CALIBRATION  
AVAILABLE

## Specifications

Temperature Range	-4 to 932°F (-20 to 500°C)
Accuracy	±2%
Resolution	0.1°F/°C
Distance to Target Ratio	12:1
Response Time	500ms
Emissivity	0.95 fixed
Power	9V battery
Dimensions	5.4 x 2.9 x 1.5" (137 x 73 x 39mm)
Weight	5.2oz (148.5g)



## Ordering Information:

IRT220 Non-Contact 12:1 Laser IR Thermometer  
IRT220-NIST IRT220 Including Certificate of Traceability to N.I.S.T.

**CE**

# CBF200 3-in-1 Circuit Breaker Finder

## Circuit Breaker Finder, GFCI Receptacle Tester and Non-Contact Voltage (NCV) Detector

### Features:

- Safely identify and label breaker locations within any electrical panel without removing power
- Comparison mode helps to identify the correct breaker with the signal strengths are very close
- Detect faulty wiring in 3-wire receptacles
- Lights display 6 wiring faults:  
Open Ground, Open Neutral, Hot/Ground Reverse, Open Hot, Hot/Neutral Reverse, Hot on Neutral with Hot Open
- Test GFCI for proper operation
- Built-in Non-Contact Voltage Detector (80-300V, CAT III-300V)
- One person operation
- Includes Transmitter, Receiver and 9V Battery
- cETLus listed



### Applications:

- Useful, one person operation tool for residential and commercial electricians, home inspectors, kitchen and bath installers, apartment/condo property managers, DIY'ers and handymen

### Specifications

Transmitter	
Voltage	120VAC Single Phase Two Wires (Live, Neutral) with Ground
Frequency	47 ~ 63 Hz
GFCI Leakage Current	7mA @ 120VAC
Safety Standard	CAT II 300V
Receiver	
Battery	9V Alkaline x 1
Auto Shut Down	After 10 minutes without any operation
Non-Contact Voltage Detection	24-300VAC
Safety Standard	CAT III 300V
Transmitter Dimensions	4.7 x 2.5 x 1.3" (118.5 x 63 x 32mm)
Receiver Dimensions	5.1 x 2.4 x 1.5" (130 x 62 x 36.9mm)
Weight	9.8oz (260g)



### Ordering Information:

CBF200 3-in-1 Circuit Breaker Finder



# MM650 CAT IV True RMS Multimeter

## With Low Input Impedance mode (LoZ)

### Features:

- True RMS provides better accuracy on non-sinusoidal or noisy waveforms
- Measures AC/DC Voltage and Current, Resistance, Temperature, Capacitance, Frequency, Diode and Continuity
- $\mu$ A Current measurement
- Low input impedance (Lo Z) mode for ACV/DCV measurements to identify ghost voltages
- 6000 count high performance multimeter with 61 segment analog bargraph for trending
- Backlit LCD, Buttons, and Switch Selector
- Min/Max/Avg, Peak Hold, Data Hold and Relative mode
- Auto power off and low battery indicator
- Waterproof, meets IP67 standards
- Built-in Flashlight for added safety in dark spaces
- Rubberized overmolded housing provides impact and drop resistance
- Complete with test leads, temperature probe, (4) AAA batteries, and carrying case
- Optional model complete with Certificate of Traceability to N.I.S.T.
- 3-year warranty

### Applications:

- Diagnose common wiring problems; Test batteries, solar cells, wall plugs, and power outlets; Check polarity of wires in wiring installations; Measure input and output resistance of circuits (motors, transformers, resistors); Check continuity of wires, circuits

### Specifications

Display counts	6000 count + 61 segment analog bargraph
Basic Accuracy	$\pm 0.5\%$
AC/DC Voltage	1000V
AC/DC Current	10A
AC/DC $\mu$ A Current	600 $\mu$ A
Resistance	60M
Temperature	-4 to 1400°F (-20 to 760°C)
Capacitance	6000 $\mu$ F
Frequency	10kHz
Duty Cycle	0.1 to 99.9%
Low impedance (Lo Z) Mode	Yes
Power	(4) AAA batteries
Waterproof	IP67
Safety Category	CAT IV-600V
Dimensions/Weight	6.7 x 3 x 1.8" (170 x 74 x 45mm) / 7.7oz. (218g)

### Ordering Information:

MM650 CATIV True RMS Multimeter  
MM650-NIST MM650 Including Certificate of Traceability to N.I.S.T.



**NIST**  
TRACEABLE  
CALIBRATION  
AVAILABLE



Range selector illuminates to allow for easy selection in dark areas



# TT-290 6-in-1 Multifunctional Pliers

## Needle Nose Plier cuts, strips and crimps

### Features:

- Polished, Chrome Vanadium material
- Drop Forged & Heat Treated for exceptional strength & durability
- 6 in 1 Functions
  1. Gripping and Looping
  2. Screw Extractor
  3. Stripping 10-18 AWG Solid 12-20 AWG stranded
  4. Wire Cutting 2.0mm
  5. Screw Shearing: 6-32 & 8-32 screw
  6. Crimping
- Comfortable grip & handle material: Thermoplastic Rubber
- Size: 8.5" (212mm)
- Weight: 282g
- 1 year warranty



### Ordering Information:

TT-290 8.5" Multifunctional Pliers