

## Advanced Infrared Thermometers



### Description:

The model N600 series are professional non-contact infrared thermometers for many applications. They can accurately make temperature measurements from short distances up to as much as many feet. They are easy to use and the fact that the N630 and N650 have adjustable emissivity settings means they can give very accurate measurements from most any heat source.

### Features:

- Non-contact temperature measurements
- On/Off switchable laser sighting
- High 12:1 DS ratio
- Selectable Fahrenheit or Celsius display
- Temperature range for N625 & N630: -25 to 999 F° (-32 to 535 C°)
- Temperature range for N650: -58 to 1830 F° (-50 to 999 C°)
- Adjustable emissivity from 0.1 to 1.00 (N630 & N650)

### Applications:

- HVAC Electrical troubleshooting
- Automotive repair & maintenance
- Science experiments
- Measure terminals on circuits
- Air conditioning testing and maintenance
- Perform HVAC energy audits
- Manufacturing processes of semiconductor technologies
- Food safety and processing
- Surface temperature measurements



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### Specifications:

MODEL	N625	N630	N650
Distance/Spot Ratio	12:1		
Temperature Range	-25~999°F (-32~535°C)		-58~1830°F (-50~999°C)
Accuracy	From -50~20°C (-58 ~ -4°F) = ±3°C (±5°F)		
Assumes Operation Ambient	From -20~100°C (-4~212°F) = ±2°C (±3°F)		
Temp. of 23°C/73°F)	From 100~999°C (212~1830°F) = ±2%		
Thermopile	5~14μm		8~14μm
Repeatability	±1°C (±2°F)		
Resolution	0.1°C (0.1°F)		1°C (1°F)
Response Time	500 ms.		
Operation Temp	0~50°C (32~122°F), 10~90%RH		
Auto Power Off	Automatically after approx. 6 sec.		
Emissivity	0.95	Adj. 0.1 ~ 1.0	Adj. 0.1 ~ 1.0
°C/°F Switchable	YES	YES	YES
Backlight	YES	YES	YES
Laser Sight Switchable	YES	YES	YES
Max/Min/Avg./ΔT	NO	YES	YES
Auto-Measuring	NO	YES	YES
10 point memory	NO	YES	YES
Audio Alarm	NO	YES	YES
Battery Type	9V, 006P, IEC6F22, NEDA1604		
Dimensions	170 x 133 x 45mm (6.69" x 5.23" x 1.77")		
Weight	187g Approx.		



N650

### Includes:

- Thermometer
- 9V Battery
- Instructional manual
- Soft carrying case

### This instrument conforms to:

- **EN61326:** Electrical equipment for measurement, control and laboratory use.
- **IEC61000-4-2:** Electrostatic discharge immunity test.
- **IEC61000-4-3:** Radiated, radio-frequency, electromagnetic field immunity test.
- **IEC61000-4-8:** Power frequency magnetic field immunity test.