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EXTECH INSTRUMENTS
A FLIR COMPANY

Experience the Extech Advantage

PRODUCT DATASHEET

Digital InfraRed Video Thermometer

2.2" Color TFT LCD and Built-in 640 x 480 Camera

With a microSD card for capturing images (JPEG) and video (3GP) for viewing on your PC



Features:

- Dual laser indicates ideal measuring distance where the two laser points converge to a 1" target spot
- Fast 150 millisecond response time
- Color LED bargraph for viewing trends
- Type K Thermocouple input
- Air Temperature and Relative Humidity measurement
- Adjustable emissivity increases measurement accuracy for different surfaces
- Adjustable High/Low set points with audible alarm alerts user when temperature exceeds the programmed set points
- MAX/MIN/AVG/DIF functions
- Trigger lock function for continuous readings
- USB interface
- Auto power off
- Double molded housing
- Complete with microSD card, general purpose Type K bead wire probe, USB cable, rechargeable 3.7V battery, and carrying case

Dual Laser

Easy-to-use IR Thermometer

✓Dual lasers identify exact measuring spot when they converge to a single spot

✓50" distance to 1" target



Large 2.2" color video LCD displays measurement area with temperature/humidity, min/max/avg, date, and time stamp



Upload images and videos to a PC or laptop for further analysis or use for report documentation.

Specifications	
Laser Convergence Distance	50" (127cm)
IR Temperature Range	-58 to 3992°F (-50 to 2200°C)
Repeatability	±0.5% or 1.8°F/1°C
Basic Accuracy	±(1% of rdg + 4°F/2°C) (31 to 212°F)
Max resolution	0.1°F/°C
Emissivity	0.10 to 1.00 Adjustable
Field of View (Distance to Target)	50:1
Type K Temperature Range	-58 to 2498°F (-50 to 1370°C)
Air Temperature Range	32 to 122°F (0 to 50°C)
Relative Humidity	0 to 100%RH
LCD Display	2.2" TFT 320 x 240 pixels
Camera	640 x 480 pixels
Dimensions	7.4x6.0x2.2" (189x152x57mm)
Weight	17.4oz (494g)

Ordering Information:

VIR50.....Dual Laser Video IR Thermometer
VIR50-NISTL* .....VIR50 with Certificate of Traceability to NIST
BATT-37V .....Rechargeable 3.7V battery

**VIR50-NISTL - Limited NIST for Certifcate of Traceability to type K and max IR Temperature of 1500°F (815°C)*

CE 3 YEARS WARRANTY

Specifications subject to change without notice.
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