

Professional InfraRed Video Thermometer

With TFT colour LCD display and Camera Function



Technical Datasheet

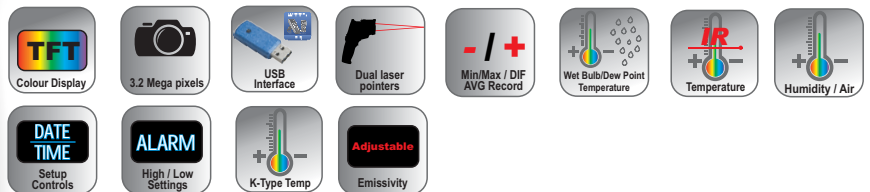


MT696

The MT696 is the first non-contact IR Thermometer to offer video capture of temperature measurements all stored on a Micro SD card. This meter with a 50:1 D:S ratio combines the temperature measurement functions that industrial, electrical and HVAC/R professionals need, all in one tool. Added functions include Dew Point and Wet Bulb temperature measurements. The MT696 complies with international standards for safe industrial measurements, plus the software supplied makes it possible for the user to analyse the captured temperature measurements. The MT696 is a professional infrared thermometer with 2.2" colour TFT LCD display and a micro SD memory card for capturing images (JPEG) or video (.3GP format). Provide fast, easy and accurate readings for most surface temperature measurements.

Applications

- Electrical Preventative Maintenance
- Plant / General Maintenance
- HVAC/R
- Transportation / Automotive
- Cooling and Reheating
- Serving areas
- Food service equipment



Features

- IR temperature measurement
- Air temperature and type K probe temperature measurement
- Relative humidity measurement
- Wet bulb temperature and dew point temperature measurement
- Unique flat surface, modern housing design
- High 50 to 1 distance to target ratio measures smaller surface areas at greater distances
- Type-K thermocouple probe
- Adjustable emissivity
- 2.2" TFT 320 x 240 pixels colour LCD display
- 3.2 Mega camera pixels / Image (JPEG) and video (AVI)
- MicroSD memory card and datalogger function
- Dual laser targeting; Date/Time setup controls
- USB Interface; High accuracy; Fast response time

Specifications

FUNCTION	RANGE
IR Temp Range	-50°C ~ 1000°C -58°F ~ 1832°F
Response Time	Less than 300ms
Resolution	0.1° up 1000°C 0.1° over 1000°C
Basic Accuracy (IR)	±1.0% of reading
Camera Pixels	3.2 Mega pixels
Optical Resolution	50:1 Distance to Spot size
Emissivity Adjustable	0.10 ~ 1.0 Adjustable
Type K Temp Range	-50°C to 1370°C -58°F to 2498°F
Basic Accuracy (TK)	±0.5% of reading ±1°C
Micro SD memory card	MAX support 8GB
Air Temp Range	0 to 50°C / 32 to 122°F
Air Temp Basic Accuracy	±0.5°C/°F
Humidity Range	0 to 100%RH
Humidity Basic Accuracy	±2.5%RH(20%~80%RH)
Dew Point Temp Range	0 to 50°C / 32 to 122°F
Wet Bulb Temp Range	0 to 50°C / 32 to 122°F
Size (L x W x D)	125 x 58 x 205mm
Weight	494g



Dual laser targeting & D:S - 50:1



High accuracy (1.0%) measurement



Support IR, K-Type, Air, Dewpoint, Wet bulb temp. & Air humidity measurement



JPG images
3GP videos & Audio recording



USB Interface
Meterbox software



Fold reading on the images

Standard Accessories

Hard plastic carrying case, K-Tye temperature probe, Software, Instruction manual and USB cable

