



TT-13T-HTI Thermal Imager

3.5" TFT color LCD screen / 160×120 Pixels

19200 Pixels

ThermalTronix TT-13T-HTI

TT-13T-HTI is a handheld tool with 160x120 pixels infrared thermal imager, product by infrared camera lens, infrared imaging detector components, 3.5" TFT color LCD screen, SD card, rechargeable lithium battery and software; hardware processing system, etc. is currently the market with the most cost-effective products.

The infrared thermal imager temperature measurement express, accurate, convenient, durable, suitable for all kinds of fault prevention and maintenance testing.



Uncooled focal plane thermal type



3.5" TFT color LCD screen



2m drop, IP54 package



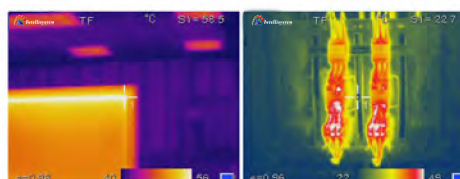
Image storage



≤0.06°C, high sensitivity



Multifunctional temperature measurement



Parameter

	Item	TT-13T-HTI
Detector performance	Detector type	Uncooled focal plane thermal type
	Pixel	160×120
	Field of view/Minimum focus	25°×19°/0.1m
Image performance	Spatial resolution	2.72mrad
	Heat sensitivity	≤0.06°C@30°C
	Frame frequency	50/60Hz
	Focus	Manual focus
	Wavelength range	8-14um
Image display	LCD screen	3.5" TFT color LCD , 640×480 pixel
	Palette	6 optional color palette(including iron oxide red, black and white, black and white rainbow, reverse etc)
	Image control	Auto/manual adjust contrast and brightness
Measurement	Temperature range	-20°C- +350°C
	Accuracy	±2°C or ±2% (reading range) , take the biggest value
	Measurement correction	Automatic/Manual
	Measurement pattern	move point, full screen the most high temperature/minimum temperature capture, real-time 1 can move area, temperature alarm (sound, color)
	Set up function	Date/time , temperature unit °C/°F/K , language
	Emissivity correction	0.1 to 1.0 of the radiation rate can be adjusted (increment is 0.01), or by a predefined material emissivity
	Background temperature correction	Automatic
	Atmospheric transmittance correction	Automatically, according to the target distance, relative humidity, ambient temperature
Image storage	Memory card	8G Micro SD (TF) card, Maximum support 16G
	Storage mode	Manual/automatic storage, single frame infrared storage
	Infrared image format	JPEG format , Image with original measurement data
Power supply system	Battery type	Lithium battery, rechargeable
	Battery operation time	3 hours
	Charging type	Intelligent charger charging or AC power adapter charge
Enviromental parameter	Power saving	Automatic sleep, automatic shutdown
	Working temperature	-15°C- +50°C
	Storage temperature	-40°C~ +70°C
	Humidity	≤95% (Non-condensing)
	Protection level	IP54
	Shock resistance	25G , IEC68-2-29
	Vibration	2G , IEC68-2-6
Physical characteristics	Drop test	2m
	Weight	0.98Kg
	Dimension	230mm× 105mm×245mm
Interface	Handrail	Both sides can be installed
	Tripod	1/4"-20-UNC
	Power interface	Yes , DC 12V
	SD Card slot	Micro SD (TF) Cassette
Interface	Video output	Yes , PAL/NTSC
	Data output	Mini-USB ,Image, measurement data transmission to the computer

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Application

