The **THT48** model representing a landmark of IR technology progress globally and is the latest innovation who always works with innovative emotion enriching the features exclusively for high-end IR camera before. 50Hz refresh rate? 2Mpixels CMOS? Touch screen? Auto focus? IR video recording? Fusion PiP? Whatever you expect from a thermographic camera, THT48 satisfies you by it's compactness, ruggedization, accuracy, efficiency, reliability, and affordability

HT ITALIA SRL
Via della Boaria 40 - 48018 Faenza (RA)- Italy
Tel: +39-0546-621002 - Fax: +39-0546-621144
email: export@htitalia.it - web: http://www.ht-instruments.com

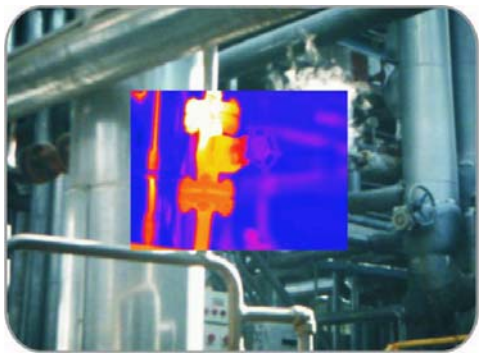
Features and benefits

“touch-screen” LCD display

The model permits to performs measurement operations and saving imagers more than very speed setup of parameter in complete interactive mode thanks to special TFT “touch screen” display

Infra fusion

The new thermal fusion technology allows you to overlay the thermal image directly on the corresponding visual image. It would help you to identify where the problem exactly is and give the solution



Advanced analysis features

Thanks to the touch screen the THT48 model can performs really advanced analysis directly on the displayed image as trace of polygons regular and complex areas with the evaluation of the temperature inside of them, which cannot be possible with the common keyboard

HT ITALIA SRL
Via della Boaria 40 - 48018 Faenza (RA)- Italy
Tel: +39-0546-621002 - Fax: +39-0546-621144
email: export@htitalia.it - web: http://www.ht-instruments.com

1. IMAGING PERFORMANCE

Thermal	
Detector type	UFPA
Spectral range	8 ÷ 14μm
Resolution (pxl)	160 x 120, 25μm
Thermal sensitivity	≤0.1°C @ 30°C
Field of view (FOV)	21° x 16° lens 11mm
Focus	Automatic / Manual
Image frequency	50Hz PAL / 60Hz NTSC
Electronic zoom	x2
Visual	
Resolution of camera	CMOS sensor, 1600x1200 pixels (2Mpixels), 2^{24} true colours

2. IMAGING DISPLAY

Type of display	2.5" TFT LCD "touch-screen"
Video output	PAL / NTSC
Intra Fusion PiP	Visual and IR blending
Built-in flash memory	Built-in flash memory

3. MEASUREMENTS

Temperature range	-20°C ÷ 250°C
Accuracy	±2%rdg or ±2°C
Measurement features	Automatic correction based on distance, relative humidity function and atmospheric transmission and external optics
Measurement modes	Hot/cold spot, alarm conditions, drawing points, lines, histograms, max/min areas, isotherms

4. IMAGE STORAGE

External memory	SD card 2GB
Format file	JPEG standard
Number of image stored	up to a 1000
Vocal annotation	60 s / image + text
Recording video IR	on SD card (30 minutes)

5. LASER LOCATOR

Classification type	Class 2

6. PC CONNECTION

USB 2.0	For image transfer and live video transfer to PC

7. POWER SYSTEM

Battery type	1x3.7V 3500mAh Li-ION
Charging system	external battery charger
Battery life	> 4 hours
External power	adapter 100/240VAC, 50/60Hz / 9V DC

8. ENVIRONMENT

Operating temperature	0°C ÷ 50°C
Operating humidity	10% ÷ 95%HR
Storage temperature	-20°C ÷ 60°C
Storage humidity	10% ÷ 95%HR
IP degree	IP54 according to a IEC529
Shock	25G, according to IEC68-2-29
Vibration	2G, according to IEC68-2-6

9. DIMENSIONS

Size(L x W x H)	154 x 69 x 45mm
Weight	0.35kg (included batteries)

HT ITALIA SRL
Via della Boaria 40 - 48018 Faenza (RA)- Italy
Tel: +39-0546-621002 - Fax: +39-0546-621144
email: export@htitalia.it - web: http://www.ht-instruments.com