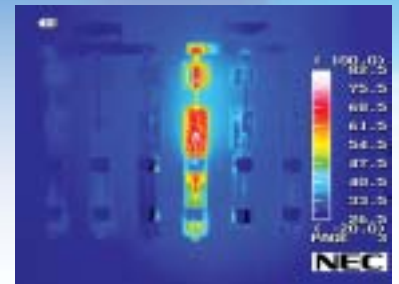


Infrared Thermal Imager Thermo Tracer TH7700

Affordable with High Quality Image



Laser pointer



Thermal Image

High quality image

320×240 pixel radiometric Uncooled Focal Plane Array equipped

Flip-up 3.5 inch LCD

Adjustable for suitable angle to your eye position

Laser pointer

Shows measuring position

Easy to hold

Single hand control with either right or left hand

Operability

Operates for 2.5 hours with rechargeable battery

Power saving

Stand-by and auto shut-down functions to save power consumption

Large memory capacity

Stores 400 images in the internal flash memory

Transfers images to PC via USB2.0/1.1

Available to read out image data on PC without turning on power of TH7700 as well as USB flash memory. (Mass storage mode)

Robust

Dust/splash-proof IP54
Shock 294m/s²(30G)
Vibration 29.4m/s²(3G)

Specifications

	TH7700
Measuring range Range 1 Range 2	-20 to 250°C -20 to 100°C*1 0 to 250°C*2
Resolution	0.1°C(at 30°C,range 1)
Accuracy	±2°C or ±2% of reading whichever greater
Infrared Detector	Uncooled focal plane array (microbolometer)
Spectral range	8 to 14μm
I.F.O.V.	1.5mrad
Focusing range	50cm to infinity
Field of view	27.0°(H) x 20.0°(V)±5%
Frame time	8.5 frames/sec.
Display	3.5 inch LCD monitor with auto switch
Thermal image pixels	320 (H) x 240 (V) pixels
A/D resolution	14 bits
Measuring functions	Run/Freeze
Emissivity correction	0.10 to 1.00 (at 0.01 step) 1 point
Environment temperature correction	Provided(including interval NUC)
Background compensation	Provided
Ambient compensation	Provided
Display functions	Display color : color/monochrome, positive/negative Gradation : 16, 32, 64, 128, 256 Color palette : rainbow, brightness, shine, hot-iron, medical, fine Battery monitor
Image processing	Variable level/sense Temperature display (1 point movable)
Image storage	400 images on internal flash memory
Video signal output	NTSC/PAL,composite/S-video(TH78-345:3m video cable,optional)
Interface	USB2.0/1.1 (Mass storage mode)
Power saving	Stand-by, auto-shutdown
Laser pointer	Class 2 (1mW/635nm red)
Operating temperature humidity	-15 to 45°C, 90% RH or less (not condensed)
Storage temperature humidity	-40 to 70°C, 90% RH or less (not condensed)
Power supply	AC adaptor: 100 to 240V AC, 7.2V DC
Shock & vibration	Shock: 294m/s ² (IEC60068-2-27), Vibration: 29.4m/s ² (IEC60068-2-6)
Environmental protection	IP54 (IEC60529)
Dimensions & weight	102(W) x 217(H) x 205(D) mm (excluding projections), 1.2kg (including battery)
Standard accessories	AC adaptor, battery pack (2pcs), battery charger, USB cable, lens cap, wrist strap, carrying case, viewer software, operation manual

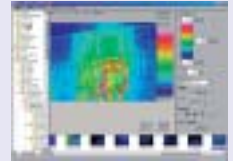
Note : *1 Calibration range 0 to 100°C, range other than the calibration range is theoretical value.
*2 Calibration range 0 to 250°C, range other than the calibration range is theoretical value.

★Specifications subject to change without prior notice.

Applicable Software

Viewer Software TH78-719 (standard)

- Download thermal image from the internal memory to PC via USB2.0.
- Display thermal image thumbnail (Windows Explorer), thermal image replay, image preview and save or save as.
- Setup level, sense, span, color palette, gradation, page and new folder.
- Edit such as multi-point temperature display, multi-point emissivity display, and saving image in BMP, JPEG, or AVI.



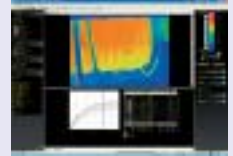
Report Generator NS9200 (optional)

- Helps to make reports easily with thermal images and temperature data on MS Word and Excel.
- Fusion of thermal and visual images.
- Subtraction (Entire image, specified area, like-figures)
- File management with database.
- Detects abnormal temperature by max/min temperature display.

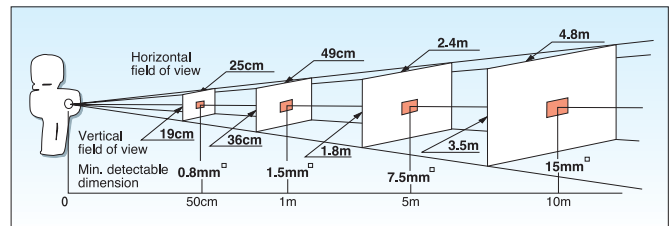


Image Processor Pro II NS9300 (optional)

- Thermal/visual image fusion.
- Patchwork (Integrates multiple thermal images into one and enables data analysis)
- Sequence editor (Converts multiple thermal image files into thermal movie files)
- Report generation (MS Word, MS Excel, HTML and MRT)
- Data output (Excel, BMP, JPEG and AVI)



Field of View Diagram (Thermal image)



Optional Lenses

Model	Description
TH78-382	2x Telephoto Lens, 13° (H) x 10° (V), no visual camera
TH78-383	Wide Angle Lens, 54° (H) x 40° (V), no visual camera



**CAUTION
FOR SAFETY**

Please read "WARNING" & "CAUTION" in the operation manual attached to the product carefully for proper operation before using the product.

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