

PROFESSIONAL HANDHELD INFRARED CAMERA TOOLS

— First choice for preventive maintenance test

LT7-P



Free-analysis software

LT7 -P series will quickly download record images and import it to the infrared analysis software in which all reports can be done. WORD software could also be used here for editing your own report templates and complete the image data analysis.



Application in electrical & mechanical industry

- Security Detection
- Loose Interface detection
- Component Defective
- Insulation failure
- HVAC Defective
- Repair Verification



Application in New Energy

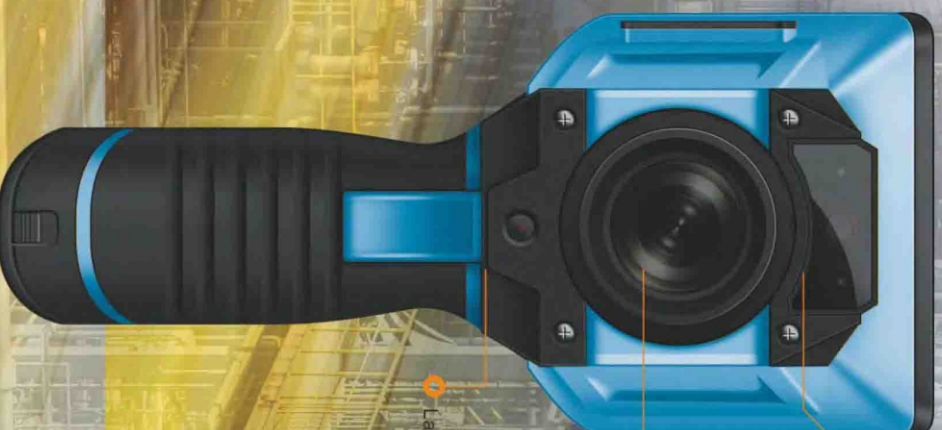
- Measurement for LED chip, lights temperature and cooling process
- Measurement for hot spots of solar modules, solar cell welding process, the inverter and circuit
- Analysis for other industries like temperature distribution of high and low, temperature uniformity, temperature change



Superior image quality with 384x288 pixels



3.5" LCD Screen



visual camera

Laser module

KUSAM-MECO®

LT7-P

Technical Parameter

Items		LT7-P
Detector characteristics	Detector type	Un-cooled FPA micro-bolometer
	Array size/format	384×288
Image characteristics	Field of view/min focus distance	25°×19°/0.1m
	Spatial resolution(JIFOV)	1.36mrad
	Thermal sensitivity	≤0.05°C@30°C
	Frame frequency	50/60Hz
	Focus	Manual
	Zoom	2X
	Spectral range	8-14μm
Image display	Built-in CCD camera	3,200,000 pixels
	LCD	3.5" TFT LCD, 640 x 480
	Image display	IR and Visual image can be shifted fast
	Image processing	Automatic / manual/ auto-enhancement
	Temperature ranges	-20°C- +650°C(can expanded to 1200°C)
	Accuracy	±2°C or ±2% of reading, Whichever is greater
	Measurement correction	Automatic / manual
Measurement	Measurement mode	Up to 4 movable spots. Up to 3 movable areas. Up to 2 movable lines (maximum, minimum and average temperatures). Line profile. Isotherms. Temperature difference. Alarm(voice, color)
	Image control	Color palette 11 palettes changeable
		Image adjustment Auto/manual gain and brightness
	Setup functions	Date/time, temperature unit, language
	Emissivity correction	Variable from 0.01 to 1.0
	Background temperature correction	Automatic corrections according to user input
	Atmospheric transmission correction	Automatic correction according to user input object distance, humidity and temperature
Image storage	Storage card	2G Micro SD card, max 16G
	Storage mode	Manual/Auto single file saving, IR and Visual image link saving, fusion recording
	File format	Thermal: JPEG with original thermal measurement data included;
	Voice annotation	Input via built-in microphone up to 60 seconds of digital voice clip per image stored with image
Laser pointer	Laser locator	Class 2, 1mw/635nm(red), IEC 60 285
	Battery type	Li-Ion, rechargeable
Power source	Battery operating time	4 hours continuous operation
	Battery charging mode	Intelligent charger or car power adaptor 12V
	Power saving	Auto-sleep and auto-shut down
	External power	10-15V DC
Environment	Operating temperature	-15°C- +50°C
	Humidity	≤90% non-condensing
	Encapsulation	IP54
	Drop test	2m
Physical characteristics	Weight	980g
	Dimension (W×H×D)	105×245×230mm
Interface	SD card slot	Micro SD card cassette
	Power	YES, DC 12V
	Video output	YES
	Data transfer	USB

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