INFRARED CAMERAS

BALTECH TR



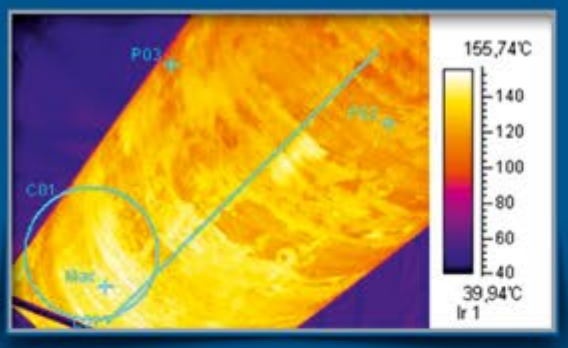
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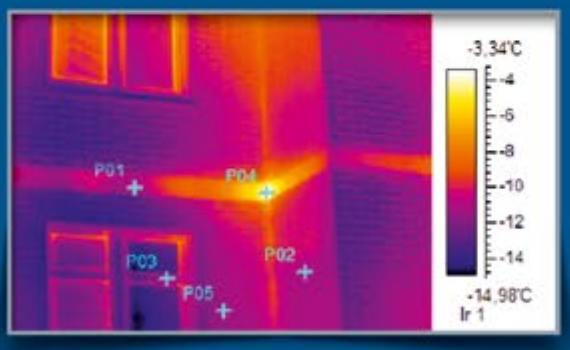
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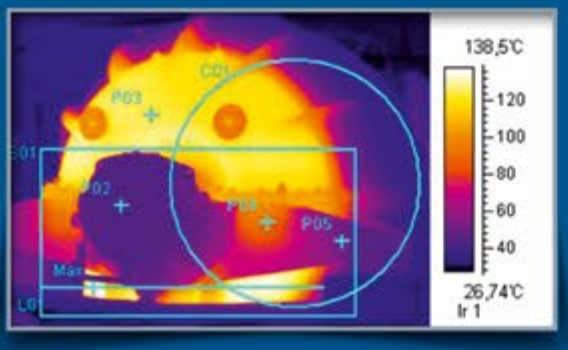
RELIABILITY TECHNOLOGIES



KILNS



ENERGY AUDIT



HYDRAULICS, COMPRESSORS, TURBINES, PUMPS, FANS

BALTECH TR INFRARED CAMERAS APPLICATION

YOU WILLSEE EVERYTHING!

WHY DO WE RECOMMEND
BALTECH TR INFRARED CAMERAS?

- EXCELLENT THERMAL IMAGE QUALITY
- EASY TO USE
- RELIABILITY
- SAFETY
- EFFICIENCY
- SMALL SIZE AND LOW WEIGHT
- LOW PRICE

BALTECH TR-01100
BALTECH TR-01400



BALTECH
RELIABILITY TECHNOLOGIES
SHAFT ALIGNMENT • DYNAMIC BALANCING • OIL ANALYSIS • CHECK GEOMETRY • MACHINE TOOLS • BEARING CHECK • TEMPERATURE ANALYSIS • VIBRATION ANALYSIS

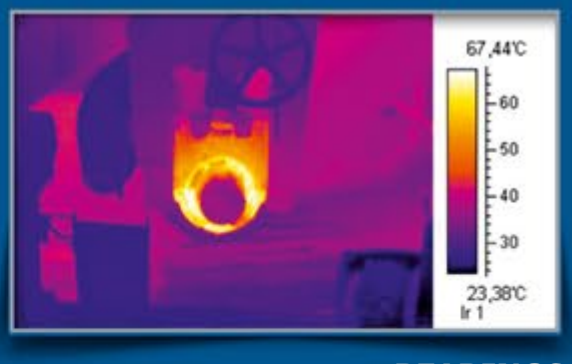
ADVANTAGES

OF BALTECH TR SERIES INFRARED CAMERAS

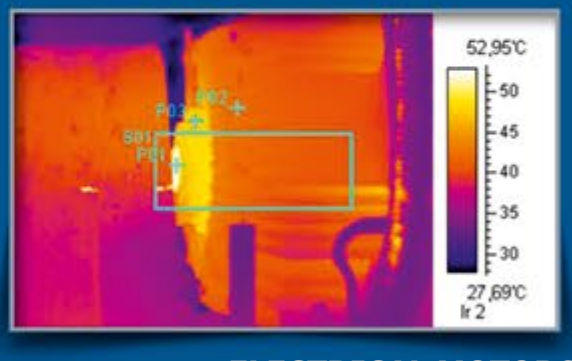
- Excellent thermal image
- High accuracy temperature measurement
- Folding and 270°rotatable display
- Auto/Motor focus for one-hand operation
- Wide temperature measurement range
- Laser pointer
- Bright LED light
- Built-in digital camera
- Built-in microphone to record 40sec. voice annotation
- Wide-angle and telephoto IR lens (interchangeable)
- Scalable P-I-P and Thermal fusion
- Automatic Hot/Cold/Average temperature detection
- Real-time thermal video transfer to PC via USB
  and remote transfer via MSNand Skype
- Intuitive and easy operating menu
- Analysis software

BALTECH TR-01200
BALTECH TR-01500

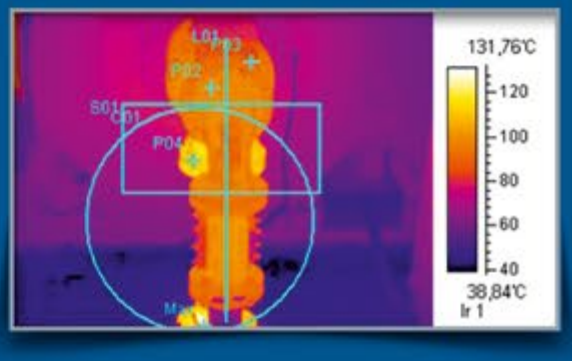
BALTECH TR INFRARED CAMERAS APPLICATION



BEARINGS



ELECTRICAL MOTORS



ELECTRICAL EQUIPMENT

BALTECH TR Series infrared cameras are reliable noncontact devices that are intended to analyze and display a thermal field (temperature) distribution on the object surface fast and accurately. IR imaging technology provides a great cost saving of our clients all over the world. BALTECH offers the infrared cameras with a state-of-the-art focal plane array technology, that provides accurate temperature measurement and professional image processing.

	TECHNICAL DATA	BALTECH TR-01100	BALTECH TR-01200	BALTECH TR-01400	BALTECH TR-01500
Imaging	display	3.5" color LCD	3.5" 270° color rotatable LCD	3.5" color LCD	3.5" color 270° rotatable LCD
	image modes	thermal image, visual image	thermal image, visual image, thermal fusion, picture-in-picture, thumbnail gallery	thermal image, visual image	thermal image, visual image, thermal fusion, picture-in-picture, thumbnail gallery
	thermal fusion		IR image shown above, below or within temp interval on visual image		IR image shown above, beow or within temp interval on visual image
	picture in picture		Resizable and movable IR area on visual image		Resizable and movable IR area on visual image
	frequency	50/60Hz			
	focus	Manual	Auto/manual	manual	Auto/manual
	electronic zoom	2X			
	digital zoom		2x1-2X Continous		1-2X Continous
	digital camera		2.4 mega pixel		2.4 mega pixel
	lamp		14cd/m2		14cd/m2
Detector	detector type	Uncooled FPA,160×120 pixels		Uncooled FPA, 384×288 pixels	
	pixel pitch	25µm			
	spectral range	8-14µm			
	field of view	21°x 16°/ 0.15m (standard lens) 35 x/27° x 0.05 m (wide lens,optional) 4° x 3°/0.8m (telephoto lens,optional)	21°x 16°/ 0.15m (standard lens) 42° x 32° x 0.1 m (wide lens,optional) 10° x8°/1m (telephoto lens,optional	18°x 14°/ 0.15m (standard lens) 30° x 23° x 0.05 m (wide lens,optional) 9° x 6°/0.8m (telephoto lens,optional	21°x 16°/ 0.4m (standard lens) 38° x 28° x 0.3 m (wide lens,optional) 11° x 8.5°/1.2 m (telephoto lens,optional
	spatial resolution	2.3mrad			
	sensitivity	0.1ºC at 30 ºC	<0.05 ºC at +30 ºC	0.1 ºC at 30 ºC	<0.065 ºC at +30 ºC
Measurement	temperature measurement range	–20°C … +350°C –20°C … +700°C –20°C … +1100°C –20°C … +1200°C –20°C … +1800°C	–20°C … +350°C –20°C … +700°C –20°C … +1100°C –20°C … +1200°C –20°C … +1800°C	–20°C … +350°C –20°C … +700°C –20°C … +1100°C –20°C … +1200°C –20°C … +1800°C	–20°C … +350°C –20°C … +700°C –20°C … +1100°C –20°C … +1200°C –20°C … +1800°C
	temperature measurement accuracy	±2C or ±2% of reading			
	measurement spots	4 adjustable spot			
	measurement area	3 adjustable boxes with max./min./average			
	line profile	horizontal/vertical			
	isotherm analysis	detect high/low temperature/interval			
	alarm	voice and color			
	emissivity correction	variable from 0.01~1.0			
	color palettes	12 colors			
	parameter setting	date/time, temperature units °C/°F/K, language, scale			
	calibration	automatic, based on inputs			
	storage type	built-in memory card	2G SD card, Built-in memory card	built-in memory card	2G SD card, Built-in memory card
	storage capacity	up to 1500 images	Up to 7000 images on 2G SD card	up to 1500 images	up to 6500 images on 2G SD card
	storage format	Standard JPEG			
	voice annotation	40 seconds voice recording per image (built-in microphone)			
	periodic image storage	user definited, 6 seconds at least			
Laser pointer	laser type	Class II, 1mW/635nm red			
Power System	battery	Rechargeable Li-ion ,3 hours operating time			
	charging system	In camera or AC adapter			
	AC supply	90-260 AC V, 50/60Hz, 5 DC V			
	voltage	12V±5%	5V±5%	DC12V±5%	5V±5% DC
	power management	Automatic shutdown (user selectable)			
Operation conditions	operating temperature range	-20°C ～+50°C			
	storage temperature range	-40°C ～+70°C			
	humidity (operation and storage)	≤90 (non-condensation)			
	IP level	IP 67			
	shock	25G IEC68-2-29			
	vibration	2G IEC68-2-26			
Physical Data	size (LxWxH)	320 x 90 x 90 mm	125 x 60x 160 mm	320 x 90 x 90 mm	125 x 60x 160 mm
	weight ,incl. battery and standard lens	660 g	450 g	660 g	450 g
	tripod	1/4"_20			
Interfaces	audio output	yes			
	external interface	external DC input		external DC input	
	video output	PAL / NTSC			
	usb	Data transfer to and from PC			
Language	10 languages (Russian, English, French, Italian, German, Spanish, Portuguese, Korean, Japanese, Chinese)				
Delivery set	standard	Infrared camera with a standard lens,2 li-ion batteries, battery charger, adapter, video cable, USB cable, software on CD, operation manual, warranty certificate, transportation case			
	option	li-ion battery, IR lenses, tripod			
	TECHNICAL DATA	BALTECH TR-01100	BALTECH TR-01200	BALTECH TR-01400	BALTECH TR-01500

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