MiKroScan TH5104

Applications:

- Induction Heating Cycles
- Printed Circuit Boards
- Environmental Research
- Non-Destructive Testing
- Engine Development
- Production Machinery
- Substations
- Refractory
- Plastics, Textile, Paper
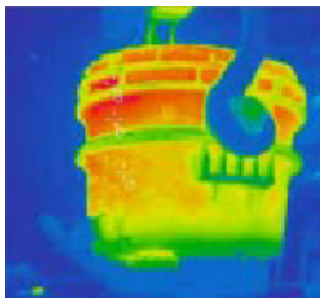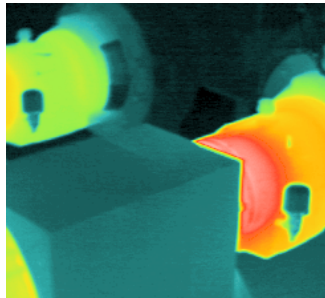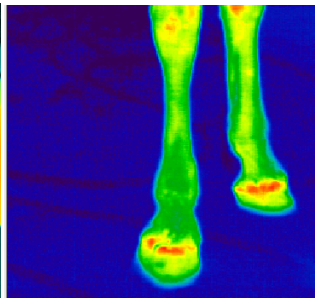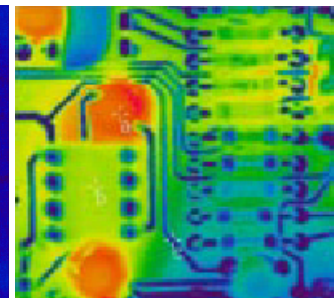- Process Piping
- Medical/Veterinary

Features:

- Advanced Performance--simple operation
- Easy operation; rugged design
- Bright, detachable image display
- High speed and resolution
- Automated functions
- Data storage
- Optical variations
- Special Infrared Filters
- "Dual use" capability

Transfer Ladle

Mechanical

Horse Hooves

Circuit Board/Close Focus

The MiKroScan 5104 is a fully-featured hand-held IR camera offering superior performance comparable to instruments costing up to three times as much. Sturdy, compact and simple to operate, the camera is suitable for laboratory or field use. It operates from battery or AC power, uses a TE255 x 223 mercury cadmium telluride (MCT) detector and stores images and data to PCMCIA cards. The large, high-resolution 5" detachable screen is ideal for viewing hard-to-reach locations. The MiKroScan 5104 can be used with the optional MiKroSpec software, which brings state-of-the-art image processing to the package.

Mikron has been an innovative leader in the field of infrared non-contact temperature measurement since 1969. Mikron offers Value Imageering to help customers solve their most challenging application problems. Value Imageering is a turnkey package, consisting of complete engineering, design, and installation services to meet the most severe and difficult thermal imaging system requirements. Today, the company provides industrial customers and R&D laboratories with accurate instrumentation ranging from convenient portable cameras to complete thermal imaging systems.

MIKRON®

Visit our website at www.IRimaging.com or call 1-888-506-3900

Technical Data

TH5104		
Performance	Temperature Range:	-10ºC to 800ºC
	Measurement Accuracy:	±1% Range Full Scale
	Field of View:	21.5º(H) x 21.5º(V)
	Instantaneous FOV / Spatial Resolution:	2.0 mrad
	Image Update Rate:	Fast: 22 Frames / Second
		Slow: 2 Frames / Second
	Focus Range:	30 cm to infinity
	Sensitivity / NETD:	0.1ºC @ 30ºC
		0.3ºC @ 100ºC
	Detector:	Mercury Cadmium Telluride 255 x 223 Linear Array
	Spectral Band:	3 to 5.2 µm
	Atmospheric Transmission Correction:	Table or PC Software
	Ambient Correction:	Automatic Ambient Correction
	Emissivity Setting:	1.0 to 0.1 in 0.01 Steps
	Alarm:	Upper or Lower
	Image Freeze:	Provided
Presentation	Digitizing Resolution:	12 bit
	B&W/Color Image:	Several palettes available
	Auto Gain Control (AGC):	Automatic level, gain, focus
	External Display:	5" Removable Color LCD
	Video Output:	NTSC/PAL, RGB
Measurement	Spot:	Movable up to 10 Spots
	Multi-Spot Temperature Measurement:	10 pt. max. with EMISS setting
	Isotherm:	Variable Bandwidth, Multi-Color for Regions available
	Reverse Polarity:	Provided
	Temperature Span:	Automatic
Interface	Communication:	GPIB
	Memory Card:	PCMCIA (32 images for 4MB and 170 images for 20MB)
	Remote Control Operation:	GPIB, RS-232C, or LCD Remote Panel
Environmental	Operating Temperature:	-10ºC to 50ºC
	Storage Temperature:	-40ºC to 60ºC
Electrical	Power Supply:	95-250V AC 50-60 Hz
	Power Requirements:	12V DC 24W (typical)
	Battery Operation:	90 mins (Optional Rechargeable)
Physical Characteristics	Camera Dimensions:	8"W x 3.5"H x 8.7"D
	Camera Weight:	5.4 lb. (without battery)

Mikron reserves the right to change specifications to reflect the latest changes in technology and improvements at any time without notice. These changes will be reflected in subsequent editions of our literature when warranted.

Accessories

Standard Equipment
- 1 Model TH5104 IR Camera
- 1 NMH Battery
- Smart Battery Charger
- Adapter for AC operation
- 1 PCMCIA 4MB Memory Card (32 images)
- 12 Volt Automobile Adapter Cord
- Shippable Carrying Case
- Operating Manual
- MikroView Software
- 30 Day Evaluation of MikroSpec Software
- Offline Image Processing Software

Optional Accessories
- MikroSpec Software
- Video Cables
- Video Adapter Cables
- Additional Rechargeable NMH Battery Pack
- Emissivity Correction Plug-in for Off-Line
- PCMCIA Memory Cards (4Mb to 196Mb)
- Battery Vest for 5 Hour Operation
- Battery Belt for 10 Hour Operation
- Heavy Duty Tripod
- NIST Certificate of Calibration