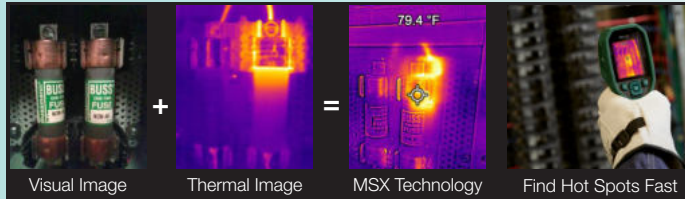


## IRC130 Thermal Imager IR Thermometer with MSX®



Designed with MSX technology that adds details to thermal images for greater clarity.

**Applications:** Detect hot spots, avoid electrical and mechanical failures, locate water damage sources, find missing insulation and leaky air ducts, and troubleshoot automotive repairs.

**Detect what no eye can see, the Extech IRC130 gives you the whole picture having dual cameras, visual and visual/thermal (MSX), combined with an IR Thermometer! Store up to 50,000 JPEG files that can be easily transferred via USB interface. It also has a built-in LED flashlight and a unique coaxial distance-to-spot guidance laser. This is a must have powerful diagnosing tool!**

### Features

- Large 2.4" TFT color display (320 x 240 pixels) with intuitive easy-to-navigate menu in 22 languages
- Designed with integrated true thermal imager (80 x 60 pixels) to detect what your eyes can't see
- Patented MSX technology adds visible light details to thermal images in real time for greater clarity without diluting the image or decreasing thermal transparency
- Measure temperature up to 1202°F (650°C)
- High accuracy with adjustable emissivity
- Unique coaxial laser allows for locating hot or cold spots that may indicate potential issues
- 30:1 distance to spot (target) ratio
- Capture and store up to 50,000 MSX thermal and Visual images in JPG format
- USB interface for transferring images
- Fast 150 ms response time for real-time temperature updates with continuous scanning
- Bright LED flashlight
- Standard UNC 1/4"-20 accessory mount
- Rugged design with dust and water protection (IP54 rating) and 2-meter drop tested
- Adjustable Auto Power Off (APO) timer
- Low battery indicator
- Complete with integrated 3.6 V rechargeable Lithium Ion battery, USB cable, lanyard, and pouch with convenient belt loop and shoulder strap

*See next page for product specifications and ordering information*



IRC130 UPC Code: 793950401316

<b>Specifications</b>	
Temperature range	-13 to 1202°F (-25 to 650°C)
Basic accuracy	±1% of reading or ±1°C (2°F), whichever is greater
Image storage capacity	50,000 JPEG images (with spot temperature metadata tag)
Emissivity	0.10 to 0.99 (adjustable) and 3 presets
Response time	150 ms
<b>Imaging and Optical Specifications</b>	
IR Resolution	80 x 60 (4800 pixels)
Digital Camera Resolution	2 MP (megapixels)
Thermal Sensitivity /NETD	< 70 mK
Field of View (FOV)	51° x 66 (H x W)°
Minimum focus distance	0.3 m (0.89 ft.)
Distance to Target	30:1
Dual range operation	Range 1: < 752°F (400°C) Range 2: > 752°F (400°C) - For Range 2, the high temperature lever must be engaged
Focus	Fixed
Image frequency	8.7 Hz
Focal plane array/ Spectral response range	Uncooled microbolometer/7.5 ~ 14 μm
<b>Image Presentation Specifications</b>	
Display resolution	320 x 240 pixels
Screen size	2.4" (61 mm) - portrait
Viewing angle	80°
Display type	TFT technology
Image modes	Visual and Visual/Thermal MSX (Multi-Spectral Dynamic) images
Color display palettes	Iron, Rainbow, White-hot, Black-hot, Arctic, and Lava
Image gallery	Yes
<b>Additional Information</b>	
IP rating	IP54 (IEC 60529)
Drop tested	~6.5 ft (2 m)
Accessory mount	UNC 1/4"-20
Power	Internal rechargeable battery (3.6 V Lithium Ion)
Dimensions/Weight	8.3 x 2.5 x 3.2" (210 x 64 x 81 mm)/13.9 oz (394 g)

*For full specifications, please visit [www.extech.com/IRC130](http://www.extech.com/IRC130) and refer to the product manual.*

## Ordering

IRC130..... Thermal Imager IR Thermometer with MSX® and Coaxial Laser