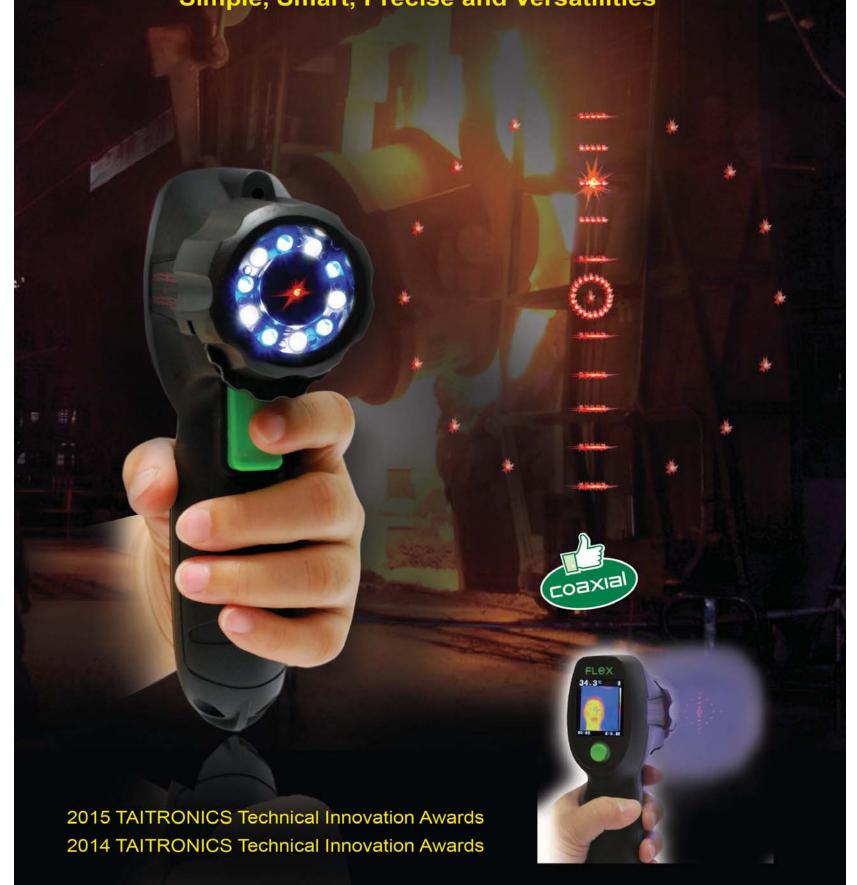


Measuring Extreme Heat and Cold

Non-Contact IR Thermometer IR-121/ILV-121/ILV-151/ILV-301
Thermal Camera TG-301/TG-501
Simple, Smart, Precise and Versatilities



Models& Accessories









IR-121

Infrared Thermometer

Main Features

- Distance/Spot Ratio 12:1 (calculated at 95% energy)
- Simply operated by one navigator and one trigger only
- · Precise laser pointing indication of measured area
- · Ergonomically designed pistol grips

Additional Features:

- Large scale display with bright white LED backlit
- Display MAX, MIN, AVG or MAX-MIN Difference
- · Hi and Lo alarms for measurements outside the limits
- · Powered by 3 standard AA size batteries

ILV-121/ILV-151/ILV-301 Infrared Thermometer with Leak Detector Flashlight

Main Features

- Distance/Spot Ratio 12:1(ILV-121)/15:1(ILV-151)/30:1(ILV-301)
 (calculated at 95% energy)
- Simply operated by one navigator and one trigger only
- · Precise laser pointing indication of measured area and the distance
- Compact UV refrigerant leak detector with 5 UV/Blue LEDs
- Bright flashlight with 5 White LEDs
- · Ergonomically designed pistol grips

Additional Features:

- · Large scale display with bright white LED backlit
- Display MAX, MIN, AVG or MAX-MIN Difference
- · Hi and Lo alarms for measurements outside the limits
- · Powered by 3 standard AA size batteries
- · Key chain with wrist strap for carrying convenience

TG-301/TG-501 Thermal Camera

Main Features

- One Navigator Key Operation
- 16,384 pixels (128 x 128 pixels) thermal image after interpolation
- True D/S 30:1 (TG-301) /D/S 50:1 (TG-501) with precise laser indication.
- Bright flashlight with 5 white LEDs
- Compact UV refrigerant leak detector with 5UV/Blue LEDs
- Ergonomically designed pistol grip housing with excellent industrial Design

Additional Features:

- 160x128 pixel 1.77 inches TFT-LCD Display
- · Alkaline AA size x 3 Batteries
- · Key chain with wrist strap for carrying convenience

Features





SMART NAVIGATOR OPERATION

Optimized function selection and feature operation with a finger of thumb.



UV LEAK DETECTOR

UV flashlight uncovers refrigerant leaks instantly



PREMIUM INDUSTRIAL DESIGN

Ergonomically designed slim shape with confortable pistol grips and rotatable dust proof latch

INNOVATIVE LASER INDICATION

Precise laser pointing indication of measured area size and the distance



EASE OF BATTERIES REPLACEMENT

Unscrew only one screw to remove 3 AA size batteries, designed for user's convenience.





IR-121/ILV-121/ILV-151/ILV-301/TG-301/TG-501 Infrared Thermometers and Thermal Camera with Leak Detector Flashlight

Specifications

	IR-121	ILV-121	ILV-151	ILV-301	TG-301	TG-501
IR Temperature Range	-30 °C to 500 °C (-22 °F to 932 °F)	-30 °C to 500 °C (-22 °F to 932 °F)	-30 °C to 650 °C (-22 °F to 1202 °F)	-30 °C to 800 °C (-22 °F to 1472 °F)	-30 °C to 650 °C (-22 °F to 1202 °F)	-30 °C to 800 °C (-22 °F to 1472 °F)
Accuracy	±1.5 °C or ±1.5% of reading ±2.0°C at -10 °C to 0 °C ±3.0°C at -30 °C to -10 °C	±1.5 °C or ±1.5% of reading ±2.0°C at -10 °C to 0 °C ±3.0°C at -30 °C to -10 °C	±1.5 °C or ±1.5% of reading ±2.0°C at -10 °C to 0 °C ±3.0°C at -30 °C to -10 °C	±1.5 °C or ±1.5% of reading ±2.0°C at -10 °C to 0 °C ±3.0°C at -30 °C to -10 °C	±1.5 °C or ±1.5% of reading ±2.0°C at -10 °C to 0 °C ±3.0°C at -30 °C to -10 °C	±1.5 °C or ±1.5% of reading ±2.0°C at -10 °C to 0 °C ±3.0°C at -30 °C to -10 °C
Response Time(95%)	<500 ms (95% of reading)	<500 ms (95% of reading)	<300 ms (95% of reading)			
Optical Resolution	12:1 (calculated at 90% energy)	12:1 (calculated at 95% energy)	15:1 (calculated at 95% energy)	30:1 (calculated at 95% energy)	30:1 (calculated at 95% energy)	50:1 (calculated at 95% energy)
Display Resolution	0.1 °C (0.2 °F)					
Repeatability of Readings	±0.8% of reading or <±1.0 °C (2 °F), whichever is greater	±0.8% of reading or <±1.0 °C (2 °F), whichever is greater	±0.5% of reading or <±0.5 °C (1 °F), whichever is greater	±0.5% of reading or <±0.5 °C (1 °F), whichever is greater	±0.5% of reading or <±0.5 °C (1 °F), whichever is greater	±0.5% of reading or <±0.5 °C (1 °F), whichever is greater
Power	AA x 3 batteries					
Thermal Imaging						97.
				į	TG-301	TG-501
Imaging Detector					IR Array	IR Array
Image Resolution			16,384 pixels (128 x 128 pixels)*	16,384 pixels (128 x 128 pixels)*		
Field of View (H X W)					30"	30*
Upper Sense Range		N/	650°C	800°C		
Thermo Imaging Sensitivity	,				150mK	150mK

General Specifications

Saved Image Format

Color Palettes

	IR-121	ILV-121	ILV-151	ILV-301	TG-301	TG-501				
Battery Life	25 hours with laser and backlight on	20 hours with laser and backlight on			16 hours with laser and backlight on					
Weight	250 g	380 g			300 g					
Size	(185 x 51 x 85) mm (7.29 x 2.01 x 3.35) inches	(185 x 51 x 100) mm (7.29 x 2.01 x 3.94) inches								
Operating Temp. & Humidity	-10 °C to 50 °C (14 °F to 122 °F),10 % to 90 % RH									
Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)									
Operating Altitude	2000 meters above mean sea level									
Vibration and Shock	IEC 68-2-6 2.5 g, 10 to 200 Hz, IEC 68-2-27, 50 g, 11 ms									
EMC	EN 61326-1:2006, EN 61326-2:2006									
Compliance and Laser Safety	EN/IEC 61010-1: 2001, EN 60825-1 Class II									

Remark * : Interpolation Pixels

Specifications subject to change without notice.

Ver. Sept. 2, 2015

3(Grey Scale, Hot Iron, Rainbow)

Bitmap(BMP) Image with Temperature and Emissivity

3(Grey Scale, Hot Iron, Rainbow)

Bitmap(BMP) Image with Temperature and Emissivity



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