Handheld Thermal Camera
Model - TG-301

FEATURES:
- One Navigator Key Operation
- True D/S 30:1 with precise laser indication.
- Simple, Smart, Precise and Versatility.
- Alkaline AA size x 3 Batteries
- SD Card of 2GB is available.
- Compact UV refrigerant leak detector with 5UV/Blue LEDs
- Ergonomically designed pistol grip housing with excellent industrial Design

16,384 pixels thermal image after interpolation
Bright flashlight with 5 white LEDs
160x128 pixel 1.77 inches TFT-LCD Display
Key chain with wrist strap for carrying convenience

ELECTRICAL SPECIFICATIONS:
- Temperature Range: -30 °C to 650 °C (-22 °F to 1202 °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
- Response Time(95%): <300 ms (95% of reading)
- Optical Resolution: 30:1 (calculated at 95% energy)
- Display Resolution: 0.1 °C (0.2 °F)
- Repeatability of Readings: ±0.5% of reading or < ±0.5°C (1°F), whichever is greater

GENERAL SPECIFICATIONS:
- 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: Upto 2000 meters above mean sea level.
- Power: AA x 3 batteries
- Battery Life: 16 hours with laser and backlight on
- Weight: Approx. 300 g
- Dimension: (185 x 51 x 100) mm (7.29 x 2.01 x 3.94) inches

SAFETY:
- Vibration and Shock: IEC 68-2-6 2.5 g, 10 to 200 Hz, IEC 68-2-27, 50 g, 11 ms
- Compliance and Laser Safety: EN/IEC 61010-1: 2001, EN 60825-1 Class II

SD CARD & PC CONNECTION:
- SD Card of 2GB is available.
- 2GB SD Card is inserted left side of the Thermal Image Camera.
- USB slot is also given to directly connect to the PC and view the image.
- Connect any USB Cable to the PC and the Imager TG-301 should be in OFF mode then connect to the PC. If in ON mode the USB cannot be connected to show files.
- In Thermal Image Camera the menu option the saved images can be seen directly on the screen of image camera.
- When connected to the PC with USB cable do not ON the imager. It will not start.

THERMAL IMAGING:
- Imaging Detector: IR Array
- Image Resolution: 16,384 pixels (128 x 128 pixels)*
- Field of View (H X W): 30 °
- Upper Sense Range: 650 °C
- Thermo Imaging Sensitivity: 150 mK
- Color Palettes: 3 (Grey Scale, Hot Iron, Rainbow)
- Saved Image Format: Bitmap (BMP) Image with Temperature and Emissivity

All Specifications are subject to change without prior notice.