



# Economical High Performance Thermal Imager

OSXL-TG165



Optional



- ✓ True Thermal Imaging
- ✓ Portable, Ergonomic Design
- ✓ Tripod Mount/Lanyard Connection
- ✓ Simple to Operate with Intuitive Buttons and Menu Icons
- ✓ Rugged and Reliable—Can Withstand a 2 m (6.5') Drop
- ✓ Dual Pointer Lasers Frame Your Area of Interest
- ✓ Convenient Pull Trigger Activates Lasers and Freezes Images
- ✓ Store Images and Data with Removable Micro SD Card (Included)
- ✓ Mini USB Port for Downloading Images and Charging Internal Battery

## Specifications

**Basic Accuracy:**  $\pm 1.5\%$  or  $1.5^{\circ}\text{C}$   
**Range:**  $-25$  to  $380^{\circ}\text{C}$  ( $-13$  to  $716^{\circ}\text{F}$ )  
**Emissivity:** 4 pre-set levels with custom adjustment, 0.1 to 0.99  
**Distance to Spot Ratio (D:S):** 24:1  
**Measurement Resolution:**  $0.1^{\circ}\text{C}/^{\circ}\text{F}$   
**Response Time:** 150 milliseconds  
**Spectral Response:** 8 to  $14\ \mu\text{m}$   
**Lasers:** Dual diverging lasers, frames temperature measurement area

## THERMAL IMAGING

**Imaging Detector:** FLIR Lepton™ Microbolometer Focal Plane Array (FPA)  
**Shutter:** Integrated automatic shutter  
**Image Resolution (H x W):** 4800 pixels (80 x 60)  
**Spectral Response:** 8 to  $14\ \mu\text{m}$   
**Field of View (H x W):** 50 x  $38.6^{\circ}$   
**Upper Scene Range:**  $127^{\circ}\text{C}$  ( $260^{\circ}\text{F}$ ), 400K  
**Thermal Imaging Sensitivity:** 150 mK  
**Frame Rate:** 9 Hz

**Color Palettes:** 2 (grey scale, hot iron)  
**Saved Image Format:** Bitmap (BMP) image with temperature and emissivity  
**GENERAL**  
**Unit Size:** 186 H x 55 W x 94 mm D (7.3 x 2.2 x 3.7")  
**Display Type:** 2.0" TFT LCD  
**Display Resolution (W x H):** 38,720 pixels (176 x 220)  
**Battery:** Rechargeable via micro USB lithium-ion battery; 3.7V, 2600 mAh (included)  
**Auto Power-Off:** Adjustable with disable  
**Battery Life:**  
     **Typical Use:** Five 8 hour work days  
     **Continuous Use:** 8 hours  
**Certifications:** CE/CB/FCC/FDA  
**Memory:** 8 GB micro SD card (included)  
**Operating Temperature:**  $-10$  to  $45^{\circ}\text{C}$  ( $14$  to  $113^{\circ}\text{F}$ )  
**Drop Test:** Designed for 2 m (6.5')  
**Tripod Mount:**  $\frac{1}{4}$ " to 20 (handle bottom)  
**Warranty, when Registered within 60 Days of Purchase:**  
     **Product:** 2 years  
     **Thermal Imaging Detector:** 10 years

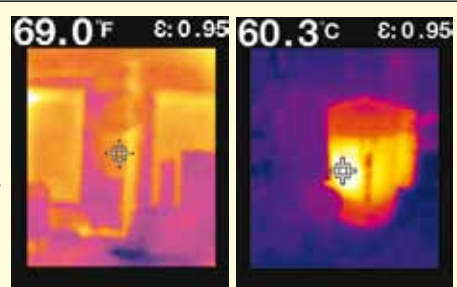


Contoured grip.

OSXL-TG165 shown smaller than actual size.



HVAC inspections.



Warm pipe in wall. Mechanical overheating.

To Order	
Model No.	Description
OSXL-TG165	Imaging IR thermometer
OSXL-TG165-NIST	Imaging IR thermometer with NIST traceable calibration
OSXL-TA13	EVA protective case
OSXL-TA14	Belt holster

*Comes complete with 3.7V, 2600 mAh rechargeable via micro USB lithium-ion battery, lanyard, USB cable, international charger (US, UK, EU, AU, CN), 8 GB micro SD card and operator's manual.*

**Note: Not for Export. USA Only.**