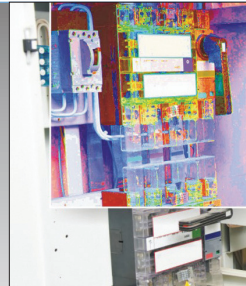




**Mastercool<sup>®</sup> Inc.**  
"World Class Quality"

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## TAKE TEMPERATURE MEASURING TO ANOTHER LEVEL...



Electrical/Mechanical



Solar



Building Diagnostics

### SPECIFICATIONS:

|                              |                                                       |
|------------------------------|-------------------------------------------------------|
| Thermal Image Resolution:    | 32 x 31 pixels                                        |
| Measurement Range:           | -20 to 250°C (-4 to 482°F)                            |
| Accuracy (Tamb=20 to 26°C):  | ±2% of reading, or 2°C (4°F) whichever is greater     |
| Thermal Sensitivity:         | 0.1°C                                                 |
| Frame Rate:                  | 9 Hz                                                  |
| Field of View:               | 40 x 40 deg                                           |
| Emissivity Range:            | 0.95 default – adjustable 0.1 to 1 step 0.1           |
| Focus:                       | Focus free                                            |
| LCD Size:                    | 2.8" (71 mm)                                          |
| LCD:                         | Color                                                 |
| Image Storage:               | Stores up to 25,000 images per gb, bmp file format    |
| Memory Type:                 | Support 8G micro SD card                              |
| Sensor Filter:               | 8 to 14 um                                            |
| Interface:                   | USB                                                   |
| Battery Type:                | (4) AA                                                |
| Battery Life (hr) (backlit): | 6 hours                                               |
| Dimensions:                  | 5.7" (l) x 2.8" (w) x 9.3" (h)<br>(145 x 71 x 236 mm) |
| Weight:                      | 11.5 oz (0.33 kg)                                     |



### THERMAL IMAGING CAMERA

Mastercool's thermal imaging camera can measure from -20 to 250°C (-4 to 482°F) and display thermal images and temperature. Thermal images can be saved to a micro SD card and transferred to the software included for image reporting.

- Fully Automatic
- Focus Free
- Superior Measurement/Accuracy
- Micro SD Card Storage
- Reporting Software Included

#### Automotive Applications:

- Tire contact and wear diagnostics
- Rotor temperatures and wear patterns
- Faulty wheel bearings
- Proper fluid temperatures, static and full load
- AC liquid and gas lines and hose analysis
- Evaporators, condensers and radiators for proper heat exchange

- Brake and engine system evaluation for performance and cooling
- Faulty fuel injection nozzles
- Passenger compartment AC comfort analysis
- Rear differential temps
- Turbo chargers and catalytic converters

**52300** Thermal Imaging Camera with carry case, 8 gb micro SD card, CD, USB cord, batteries and instructions