



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

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52224-D **MULTI-LASER INFRARED THERMOMETER**



- Distance:Spot: 12:1 (90% energy covered)
- Measurement Range: -76 to 1400°F (-60 to 760°C)
- Operating Range: 32 to 122°F (0 to 50°C)
- Accuracy, (Tobj=15 to 35°C, Tamb=25°C): ±1.0°C (1.8°F)
- Accuracy (Tamb=23 ±3°C): 0 to 760°C: ±2% of reading or 2°C (4°F) whichever is greater -60 to 0°C: ±(2°C+0.05/degree)
- Emissivity: 0.95 default - adjustable 0.1 to 1 step .01
- Resolution: 0.1°C/0.1°F at -76 to 999.9(C/F), otherwise 1°C/1°F
- E, MAX, MIN, DIF, AVG, HAL (high alarm) and LAL (low alarm) modes
- Response Time (90%): 1sec
- Battery Life: min 7 hours continuous use (with laser and back-light)
- Dimensions: 119.2 x 47.5 x 171.8 mm (4.7 x 1.87 x 6.76")
- Weight: 255.7 g (9.02 oz) including batteries (AAA - 2pcs)

The multi-laser infrared thermometer safely monitor hot, hazardous, or hard to reach materials without contamination or damage to the surface. Simply point at target, pull the trigger, and read the temperature on the large, backlit LCD display.

**Applications:**

- Pinpointing radiator core restrictions
- Measuring exhaust and emission control (catalytic converter) temperatures to detect problems
- Diagnosing combustion problems by measuring exhaust manifold temperatures
- Pinpointing air conditioning system restrictions
- Measuring tire temperatures
- Measuring drum, rotor, and bearing temperature
- Measuring the racetrack temperature

