NEW SENSOR
Introducing RoadWatch® Bullet™

- Unmatched Reliability
- Improved Performance
- Affordably Priced
- Backwards Capability
- Constant Feedback on Road Surface Conditions
- Easy to Install and Service
- Can Operate as Standalone or Integrated with Other Vehicle Controls

RoadWatch® System Kits
MSF849-1262-002 (°C)
MSF849-1262-003 (°F)

System Kits include sensor head, extension cable and temperature display
UNPRECEDEDENT RELIABILITY
✓ Fully-sealed sensor
✓ Connector mating inside sleeve
✓ No screws or openings in sensor face
✓ Environmentally tested

IMPROVED PERFORMANCE
✓ Faster acclimation time
✓ Improved accuracy
✓ More durable, with low total lifetime cost

BACKWARDS COMPATIBILITY
Use with existing:
✓ Cables and connectors
✓ Displays
✓ RS-232 Convertors

Technical Specifications

RoadWatch® technology is protected under US patents 5796344, 6166657 & 6206299 with additional US and foreign patents pending

Environmental
- System Operating Range: -40 to +150 °F
- Thermal Shock: ISO 16750-4 (2010) Section 5.3.1.3
- Water Immersion: ISO 20653 Section 6 IPX7
- Salt Fog: ISO 16750-4 (2010) Section 5.5.2.1
- Storage Range: -40 to 75 °C or -40 to 167 °F
- Relative Humidity: 98% non-condensing
- Vibration: 4g, sensor & display
- Shock: 100g sensor element

Performance
- Road Accuracy: ±2 °F (15 to 100 °F under ambient stable)
- Air Accuracy: ±2 °F (-40 to 131 °F) while moving > 5 MPH
- Field Calibration: accuracy ±1 °F (0 to 100 °F)
- Repeatability: ±1 °F under stable ambient conditions
- Emissivity: factory calibrated at 0.96
- Field of View Angle: 5° typical
- Weight: 11oz sensor, 3oz display

Electrical
- Operating Voltage: 9-28Vdc
- Current Requirement: 0.1A
- Sensor Data Rate: 4 readings per second
- J1708 Data Format

RoadWatch® Bullet™ Product Part Numbers

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<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
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<td>MSF849-1095-000</td>
<td>Roadwatch Sensor Only F</td>
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<td>MSF849-1095-001</td>
<td>Roadwatch Sensor Only C</td>
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<td>MSF849-1242-000</td>
<td>Roadwatch Sensor, Housing, 12ft Cable, F</td>
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<td>Roadwatch System Kit (sensor, housing, display and cable) C</td>
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<tr>
<td>MSF849-1262-003</td>
<td>Roadwatch System Kit (sensor, housing, display and cable) F</td>
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