RoadWatch™ Bullet™

NEW

Water Resistant | Salt Resistant | Thermal Shock Resistant

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

AIR-TEMP
35
28
CAUTION
ROAD-TEMP
RoadWatch®

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

System Kits include sensor head, extension cable and temperature display

MS FOSTER
SERVING THE TRANSPORTATION INDUSTRY

1-888-452-4053
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UNPRECEDENTED 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 COMPATIBLITY

Use with existing:

- ✓ Cables and connectors
- ✓ Displays
- ✓ RS-232 Convertors
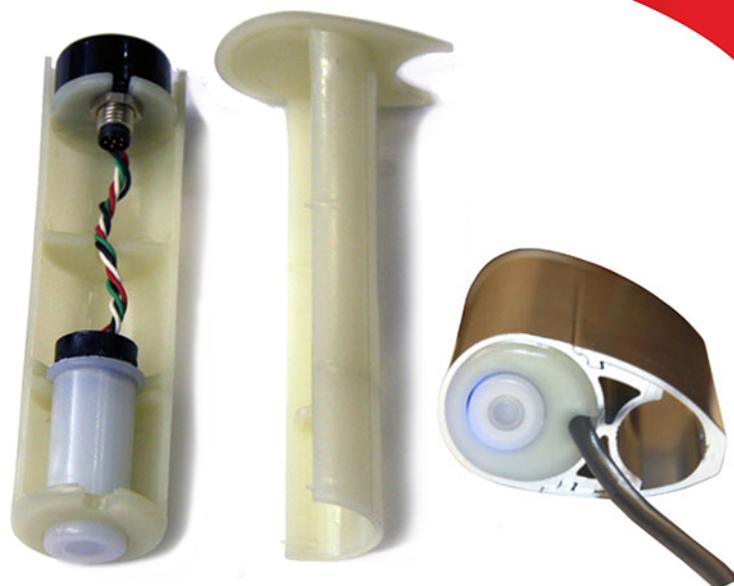
Technical Specifications

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

Part Number	Description
MSF849-1242-000	Roadwatch Sensor, Housing, 12ft Cable, F
MSF849-1242-001	Roadwatch Sensor, Housing, 12ft Cable, C
MSF849-1243-000	Roadwatch Sensor with Housing, F
MSF849-1243-001	Roadwatch Sensor with Housing, C
MSF849-1262-002	Roadwatch System Kit (sensor, housing, display and cable) C
MSF849-1262-003	Roadwatch System Kit (sensor, housing, display and cable) F

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