



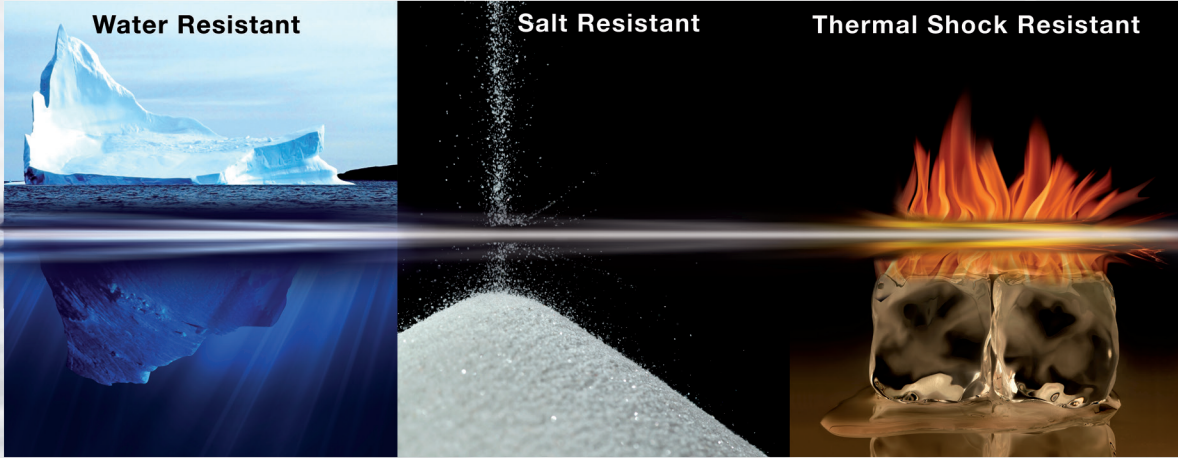
BulletTM



M. S. Foster & Associates

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NEW



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

UNPRECEDENTED RELIABILITY

- ✓ Fully-sealed sensor
- ✓ Connector mating inside sleeve
- ✓ No screws or openings in sensor face
- ✓ Environmentally tested

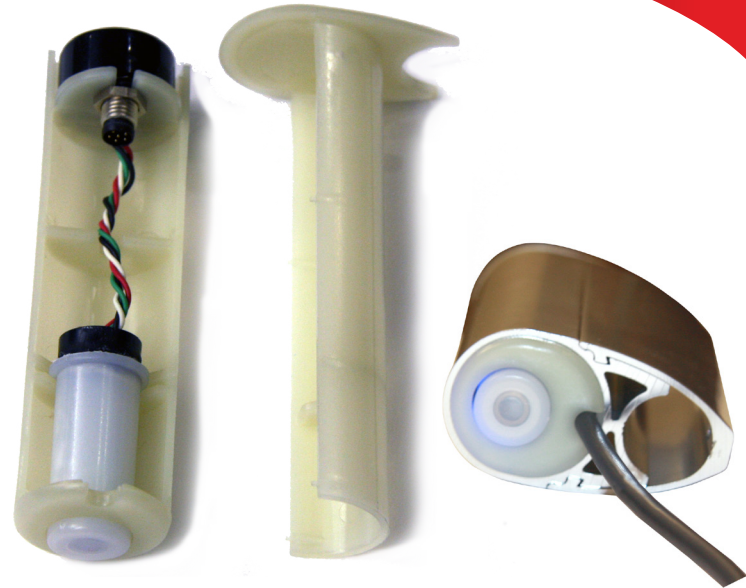
IMPROVED PERFORMANCE

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

BACKWARDS 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

| Part Number | Description |
|-----------------|-------------------------------------------------------------|
| MSF849-1095-000 | Roadwatch Sensor Only F |
| MSF849-1095-001 | Roadwatch Sensor Only C |
| 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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