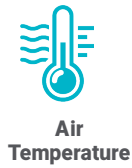


SURFACE SCAN



The SurfaceScan is a vehicle mounted mobile weather sensor. The sensor monitors road surface temperature, air temperature, relative humidity and dewpoint, as well as displays live readings using a dash mounted graphical display. The SurfaceScan can be used to detect freezing temperatures on the pavement to determine where frost or black ice may form if precipitation occurs.



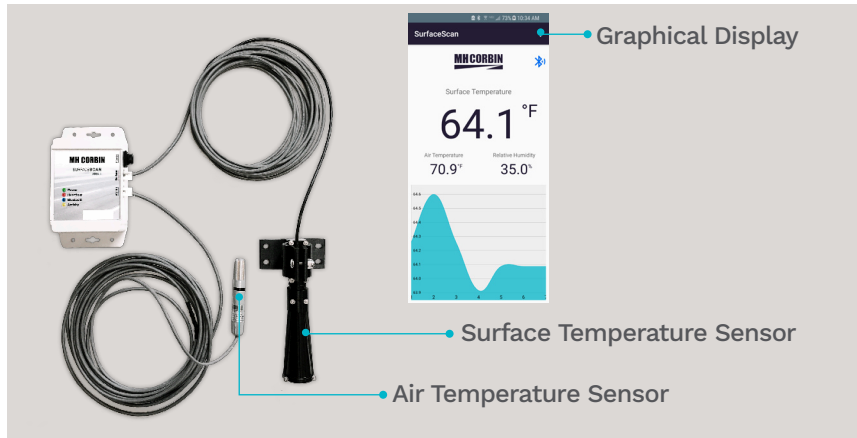
Quick Facts

- Full color graphical display of road temperature and air temperature
- No calibration required
- Updates every second
- OTA software updates

Available Models

- SSBI-1

SURFACE SCAN FEATURES



The image shows the SurfaceScan hardware components: a white control unit, a black handheld probe, and two coiled cables. A graphical display is shown to the right, displaying the following data:

- Surface Temperature: 64.1 °F
- Air Temperature: 70.9°
- Relative Humidity: 35.0°
- A line graph showing temperature fluctuations over time.

Labels with arrows point to the **Graphical Display**, **Surface Temperature Sensor**, and **Air Temperature Sensor**.

- Display instant temperature measurement and a historical graph of past measurements
- Configuration screens built in for easy setup
- Alarm features notify drivers when temperatures cross a given threshold
- Bluetooth enabled
- Compatible with Android 7.0+

SURFACE SCAN TECHNICAL SPECIFICATIONS

Technical Data	IR Probe Specs	Temp Specifications
<p>POWER 12VDC, 1W</p>	<p>OPTICAL RESOLUTION 33:5 or 8.6° FOV (2" diameter circle at distance of 13" from probe lens.)</p>	<p>RESOLUTION 0.1%, 16-bit</p>
<p>SENSOR UPDATE INTERVAL Once per second</p>	<p>TEMPERATURE RANGE -40°C to 400°C</p>	<p>ACCURACY ±0.1°C to 1°C</p>
<p>Humidity Specifications</p>	<p>SYSTEM ACCURACY ±1.5% or ±1.5°C</p>	<p>RANGE -40°C to 125°C</p>
<p>RESOLUTION 0.1%, 16-bit</p>	<p>TEMPERATURE RESOLUTION -40°C to 400°C</p>	<p>REPEATABILITY ±0.2°C</p>
<p>ACCURACY @25°C ±2%</p>	<p>PROTECTION CLASS IP63 (NEMA-4)</p>	<p>DRIFT <0.1°C/year</p>
<p>REPEATABILITY ± 0.1%</p>	<p>RELATIVE HUMIDITY 10 to 95%, non condensing</p>	
<p>DRIFT <0.5%/year</p>		

CONTACT MH CORBIN

General details for this product are subject to change without notice to reflect improvements and upgrades.

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