



# Mobile Equipment

SensoNODE™ Blue Sensors and SCOUT™ Mobile Software keep you Mobile During Diagnostics

Abnormal temperature and pressure levels can adversely impact the function of hydraulic lines and pump systems in heavy mobile machinery.

SensoNODE™ Blue sensors and SCOUT™ Mobile software give users an advanced condition monitoring solution that provides accurate readings without excessive wiring, allowing for mobile diagnostics.



## Problem

Because a machine must be operating for accurate readings, traditional wired diagnostic solutions lead to:

- Wires/cables getting caught in moving parts
- Extra equipment for installation/removal of sensors

## Solution

Small, wireless sensors prove to be an effective solution by:

- Eliminating the need for excessive wiring
- Providing more accurate readings
- Allowing for diagnostics while mobile with cab door closed



## Problem

Any inconsistencies in machinery temperatures can have damaging effects, including:

- Overheating
- Break-down
- Long-term damage

## Solution

Installing temperature sensors in areas of interest helps users to:

- Track real-time data on their mobile device
- Diagnose in-line temperature issues



## Problem

Incorrect pressure levels for hydraulic lines can lead to:

- Overload or failure
- Overworked assets
- Decreased operation efficiency

## Solution

Sensors can detect the slightest change in pressure and relay that information to a user's mobile device, which will:

- Alert users to any pressure drop
- Allow workers to diagnose issues early
- Minimize downtime

## Contact Information:

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[parker.com/conditionmonitoring](http://parker.com/conditionmonitoring)



**SensoNODE Blue** is Parker's series of Bluetooth-powered sensors. Compact, energy-efficient, and wireless, they are designed to provide simple and useful solutions for diagnostic and condition monitoring applications. SensoNODE monitors assets for changes in pressure, temperature, and humidity to help predict problems and prevent downtime, and delivers the information to your mobile device.



### Pressure Sensor Features

- For commonly used pressures with the ranges of (0-150 psi, 0-1500 psi, 0-3625 psi, 0-5800 psi, 0-8700 psi) [10 bar, 100 bar, 250 bar, 400 bar, 600 bar]
- User definable measurement units (psi/bar) for convenient and familiar data readings
- Ports: MNPT, SAE, couplings (push-button, sleeve operated, EMA3) to make plumbing and connecting easier and faster
- Corrosion resistant materials for challenging environments
- Sensor also provides temperature values
- User selectable scan and transmit rates (mode dependent). Currently 1, 2, 5, and 10 seconds. Refer to SCOUT Mobile for the up



### Temperature Sensor Features

- Available in a unique clamp design for quick attachment to pipe or hard tubing
- User definable measurement units (F°/C°) for convenient and familiar data readings
- Ports: NPTF and SAE to make plumbing and connecting easier and faster
- Corrosion resistant materials for challenging environments
- User selectable scan and transmit rates (mode dependent). Currently 1, 2, 5, and 10 seconds. Refer to SCOUT Mobile for the up to date capabilities and modalities



### Humidity Sensor Features

- 0-100% relative humidity
- Ideal for ambient condition and inert compressed gas monitoring applications
- Ports: NPTF to make plumbing and connecting easier and faster
- Corrosion resistant materials for challenging environments
- Should be mounted vertically.
- Sensor also provides temperature values.
- User selectable scan and transmit rates (mode dependent). Currently 1, 2, 5, and 10 seconds. Refer to the SCOUT Mobile for the up to date capabilities and modalities

**SCOUT Mobile software** allows users to connect their mobile devices to the SensoNODE sensors and receive diagnostic data and analytics. SCOUT Mobile compiles the data and presents it in a way that makes sense to a user's operation, allowing them to track data in real-time and also review historic trends.

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