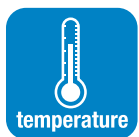


Injection Molding

Multi-point Condition Monitoring with SensoNODE™ Blue Sensors and SCOUT™ Mobile Software

If your equipment is running too hot or too cool, the two seconds it takes for the initial injection could cost you thousands annually in additional operational costs.

With SensoNODE Blue sensors and SCOUT Mobile software, you can monitor your machines and perform diagnostics for multiple points simultaneously without the extra cost in equipment and manpower.



Problem

From the mold tool area to the water lines and the mold itself, temperatures inconsistencies can lead to:

- Part deformity
- Stress cracks
- Increased scrap

Solution

Placing temperature sensors at different points throughout the injection process helps users to:

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



Problem

From the injection screw to the clamp that holds the mold shut, insufficient pressure can lead to:

- Partially filled molds
- Batch inconsistencies
- Trapped air/moisture

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



Problem

Increased humidity in storage containers and the process lines can add moisture to the resin, which:

- Changes the resin's properties
- Prevents it from molding properly
- Assists in diagnosing humidity issues

Solution

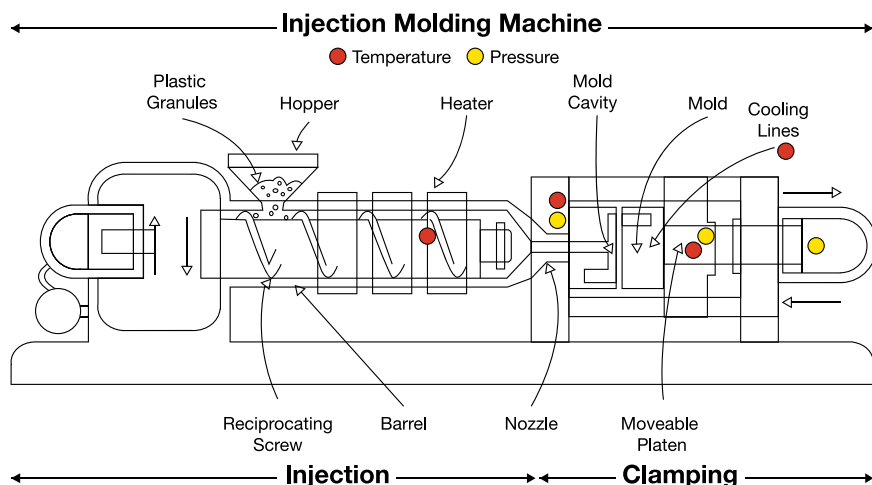
Humidity sensors monitor in-line and ambient humidity levels, allowing users to:

- Track gradual trends of increased facility humidity
- Better diagnose in-line humidity issues

Contact Information:

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Quick Coupling Division
8145 Lewis Road
Minneapolis, MN 55427

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 to date capabilities and modalities



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.

Download for free!
Search "SCOUT Mobile by Parker"

