



Diagnostic Equipment Selection Guide

3800-Senso-PSG
April, 2006



anything **Parker**
Possible.™



Diagnostics – A Wise Investment

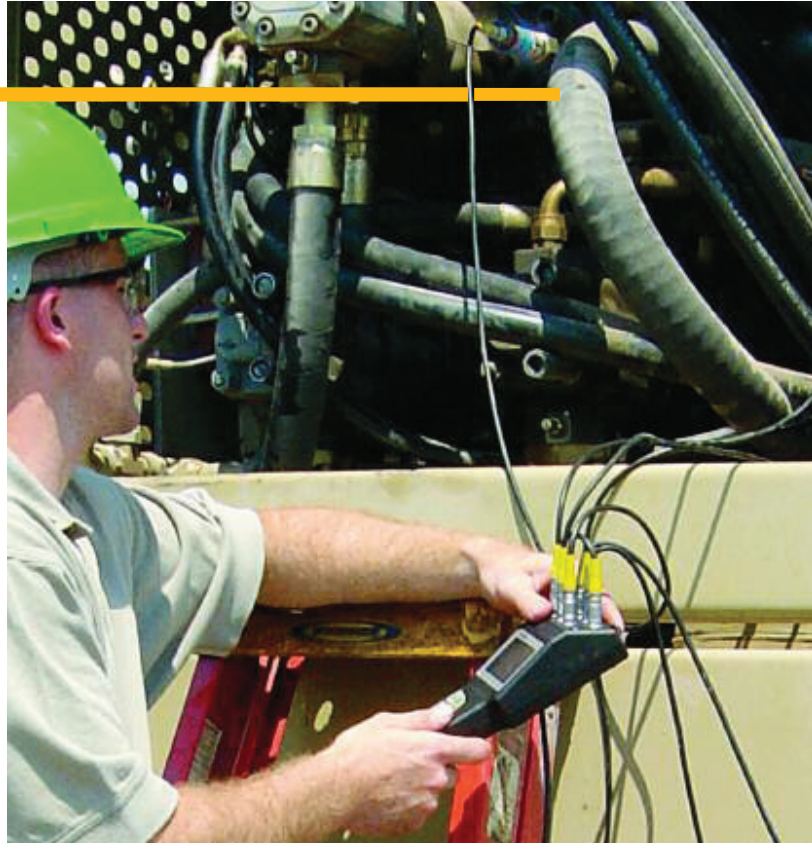
When time is money... In today's "Lean Manufacturing" environment there is more emphasis put on increased production and reduced downtime than ever before. You can't afford to have your equipment sitting idle. Momentary pressure spikes and flow surges that are not recognized by other conventional mechanical measuring devices can unexpectedly destroy both components and systems.

An ounce of prevention... Diagnosing a problem before it occurs should be your primary objective. Whether it is a piece of mobile construction equipment, or an automated industrial assembly machine, lost production is lost profits. The basic prescription for system maintenance is prevention.

Hydraulic and pneumatic... Parker's SensoControl product line is a valuable tool for diagnosing problems both before and after they occur. Today's hydraulic and pneumatic systems are continuously becoming more sophisticated. Being able to identify critical information for optimizing machine efficiencies is a necessity.

Feedback from up to 6 inputs... The portable and highly accurate SensoControl product line provides the tools you need to measure pressure, temperature, flow and rotational speed in all motion control applications. Engineers, mechanics and technicians will appreciate the ability to receive instant and accurate measurements from a multitude of inputs — simultaneously.

Downloadable documentation... The SensoControl product family is also an excellent tool to help you meet demanding quality system requirements for documentation and standardization. These products can also be used as a reference when calibrating other less accurate mechanical gauges.



See for yourself how Parker's complete line of SensoControl diagnostic products can provide you with all the necessary tools to capture your system's vital signs.

*“As We All Know,
Increasing One's
Knowledge is
Always a Wise
Investment.”*

Three Functional Choices to Meet Your Diagnostic Needs



ServiceJunior

*Rugged & Reliable –
Digital Readings
Quickly Identify
Potential Problems*

*“It’s Simply
Unbelievable
How Easy it is to
Use One of These.”*

The ServiceJunior digital pressure gauge scans 100 times per second to identify momentary pressure spikes that often go unnoticed by slower responding mechanical gauges. Both minimum and maximum pressures are stored in the ServiceJunior’s memory for easy retrieval by the user. Technicians who have the ability to recognize these conditions early are best able to take actions to prevent more serious problems such as system failure and equipment shutdown.

With its large backlit display and simple 4-key menu, the ServiceJunior is a rugged pressure sensor that can provide readings in several different units of

measure. Its ability to connect to a variety of industry standard test ports allows technicians to take readings accurate within $\pm 0.5\%$.

ServiceJunior gauges are available in three different pressure ranges covering vacuum to 8700 PSI.

The ServiceJunior Provides...

- Min/Max Pressure Memory**
- Improved Accuracy**
- Better Response Time**

Accessories...

*To Expand
Functionality
& Capability*



Diagnostic Hoses & Adapters



Complete Field Kits



Serviceman™

*Monitor Pressure,
Flow, Rotation Speed
and Temperature – All
with One Meter*

*“At 500 Scans
per Second, I Know
My Readings are
Very Accurate.”*

The Serviceman is a two-input diagnostic meter that gives the technician a portable and easy to use system for collecting diagnostic information. As with all SensoControl products, the Serviceman will automatically recognize and scale any of the available pressure, temperature, flow and rotational speed sensors. The meter scans for minimum and maximum readings 500 times per second to ensure that damaging system conditions are detected. Min and max measurements are stored in memory and can quickly be displayed.

The information provided by the Serviceman is viewed on a two line LCD display. Each input is shown on a separate line providing accurate

measurements that can easily be documented. Differential pressures can quickly be displayed to eliminate additional calculations. The meter is powered by an internal NiMH battery, or an external power supply. Additionally, Serviceman software allows on-line transfer of data to Microsoft Excel.

The Serviceman Adds...

- ✓ **The Ability to Read Pressure, Flow, Temperature & RPM**
- ✓ **Differential Pressure Capability**
- ✓ **Automatic Sensor Recognition**
- ✓ **5X Faster Scanning Rate**



Transducer Choices



Tachometer



Temperature Sensor



Service Master

*Automatic
Sensor Recognition –
Up to 250,000 Data
Points of Storage*

*“Downloading
Data for Detailed
Documentation and
Analysis is a Cinch.”*

The Service Master is a multi-channel instrument that provides Engineers and Technicians the information needed to properly diagnose a hydraulic or pneumatic system. With up to six inputs, this meter allows an operator to view and record pressure, temperature, flow, and rotation speed. Measurement recordings can be triggered manually or automatically based upon changing system conditions.

Like all SensoControl meters, the Service Master automatically recognizes any Parker sensor being used and requires no user programming. An added feature of the Service Master provides the users the ability to utilize other manufacturer's sensors, further expanding the usefulness of this meter.

The Service Master's on board memory provides storage for up to 250,000 data points. With the use of the SensoWin 4.03 software, the data can be downloaded from the meter to a PC for further viewing and analysis. SensoWin software will also interface with Microsoft Excel, allowing a common platform for data exchange.

The Service Master Also Includes...

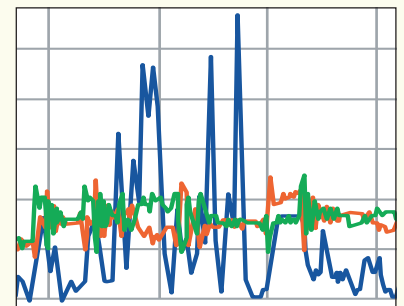
- Up to Six Inputs***
- On Board Memory***
- Ability to Read Auxiliary Sensors***
- Data Analysis – Downloadable to PC via SensoWin® 4.03 Software***



Flow Sensors



Voltage Adapter



SensoWIN® 4.03 Software

Innovative Solutions with Unique Advantages:

- Premier Customer Service
- Dedicated Field Sales Force
- Large Distribution Network
- Application Engineering Assistance
- ISO 9001/QS 9000 Certified
- Variety of Sizes and End Configurations
- Flexible Manufacturing Processes
- State-of-the-Art Technology
- The World's Largest Manufacturer of Quick Couplings



Additional Quick Coupling Products



Hydraulic Quick Couplings

- Various Configurations
- Double Shut-Off
- Single Shut-Off
- Straight Through



Pneumatic Quick Couplings

- Industry Interchanges
- Manual Connect
- Push-to-Connect
- Exhaust Styles



Check Valves

- In-line Styles
- Several Sizes
- Varied Configurations
- All Steel Construction



Thermoplastic Couplings

- Various Sizes
- Chemical Compatibility
- Push-to-Connect
- Non-Spill Styles



Swivels

- Various End Configurations
- In-Line Styles
- 90° Styles

Bulletin 3800-Senso-PSG



Parker Hannifin Corporation
Quick Coupling Division

8145 Lewis Road
Minneapolis, MN 55427
Phone: 763-525-4240
Fax: 763-544-3418

www.parker.com/quickcouplings

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