

# ***Diagnostic Equipment***

Digital Pressure Gauge.....	7-1
High Pressure Sensor.....	7-2
Positive Pressure Sensor .....	7-2
Vacuum Pressure Sensor .....	7-2

If you can't find it, your local Parker distributor can!

Just because it's not in our catalog doesn't mean you can't get it. To find exactly what you need, contact your local Parker distributor today. We can often provide 24-hour delivery direct from our factories to over 12,000 distribution locations worldwide. Our business is keeping you on the move.

**General Description:** The new Parker ServiceJunior captures momentary pressure spikes that are “invisible” to normal liquid-filled gauges. That means the maximum pressure reading it delivers can be trusted as a much truer reflection of the system’s actual condition; so you can identify potential problems better and diagnose their causes faster. All readings are accurate to within +/-0.5%.

**Features:**

- Easy to connect and test system pressure using Parker Diagnostic test port couplings
- Robust, dirt resistant housing
- Simple to operate, four key menu
- Four digit backlit display with easy-to-read large 0.60” characters
- Minimum and maximum graphic display shows pressure peak
- Power status displayed continuously
- Can be used with most hydraulic and pneumatic media
- Measure PSI, bar, mPa, kPa with one gauge
- Accuracy +/- 0.5% of full scale
- Three pressure ranges
- Operating temperature 14° to 122° F
- Fluid temperature -4° to 176° F
- Storage temperature -4° to 140° F
- Auto power off after 5 minutes or “constant on” at the touch of a button
- Zero adjustment function
- 10 msec scanning rate
- Ratings: Environmental Protection: EN60529 (IP 65)  
 Vibration: IEC 60068-2-6/10 – 500Hz: 20g  
 Shock: IEC 60068-2-29/50g 11 msec

7

**GENERAL PURPOSE - DIAGNOSTIC PRODUCTS**

**SENSOCONTROL® SERVICEJUNIOR™**



Measuring Range	ServiceJunior with PD Coupler	ServiceJunior with EMA3 Coupler	ServiceJunior with 1/4" NPT Port	Overload Pressure	Resolution
-14.5 to 250 PSI (-1 to 16 bar)	SCJR-0250-PD	SCJR-0250-EMA	SCJR-0250-4MP	580 PSI	0.1 PSI
0 to 5800 PSI (0 to 400 bar)	SCJR-5800-PD	SCJR-5800-EMA	SCJR-5800-4MP	11,600 PSI	1 PSI
0 to 8700 PSI (0 to 600 bar)	SCJR-8700-PD <sup>1</sup>	SCJR-8700-EMA <sup>2</sup>	SCJR-8700-4MP	17,400 PSI	1 PSI

1. PD Couplers rated to 6,000 PSI max.  
 2. EMA3 Couplers rated to 9,000 PSI max.

**HIGH PRESSURE SENSOR**

**SCPSD SERIES**



Part No.	Pressure Range	Port Size	Output Signal	Electrical Connector
SCPSD-1000P-1727	0 to 1000	7/16 UNF-2b (SAE-4)	PNP w / 4-20ma	4-Pin, M12
SCPSD-3000P-1727	0 to 3000	7/16 UNF-2b (SAE-4)	PNP w / 4-20ma	4-Pin, M12
SCPSD-5000P-1727	0 to 5000	7/16 UNF-2b (SAE-4)	PNP w / 4-20ma	4-Pin, M12



**POSITIVE PRESSURE SENSOR W/ DUAL RED/GREEN COLOR DISPLAY**

**MPS SERIES**

Part No.	Pressure Range	Port Size	Output Signal	Electrical Connector
MPS-P31N-NC	0 to 145	1/8 NPSF	NPN	4-Pin, M8
MPS-P31N-PC	0 to 145	1/8 NPSF	PNP	4-Pin, M8

**VACUUM PRESSURE SENSOR W/ DUAL RED/GREEN COLOR DISPLAY**

**MPS SERIES**

Part No.	Pressure Range	Port Size	Output Signal	Electrical Connector
MPS-V31N-NC	0 to -30 inHg	1/8 NPSF	NPN	4-Pin, M8
MPS-V31N-PC	0 to -30 inHg	1/8 NPSF	PNP	4-Pin, M8