





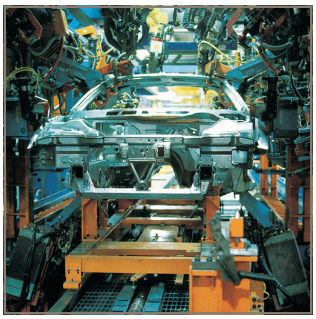



SensoControl ServiceJunior

with data logger



ENGINEERING YOUR SUCCESS.

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SensoControl ServiceJunior

with data logger

- Digital pressure measurement with backlit display
- Measurement range up to 1000 bar
- Accuracy up to 0.1 %
- Data logger function with integrated memory and real time clock optional
- Pressure peak measurement with 10 ms scanning rate
- MIN/MAX value display
- Extremely rugged and reliable due to metal housing



- Start/stop measurement eliminates the need for complex calculations and tedious configurations
- Memory optimization through automatic data compression

The ServiceJunior allows users to measure, display and store pressures in a single device. It stands out for its extremely rugged design with metal housing and its simple operation. For accurate measurements over a wide pressure range, several mechanical manometers are often required. Thanks to its high precision, resolution and long-term stability, as well as its 4 1/2 digit display, the ServiceJunior handles the task with just one device.

Pressure peaks are reliably recorded with a sample rate of 10 ms. The MIN/MAX function automatically saves the minimum and maximum pressure, which can be accessed at the push of a button.

The optional data logger with real time clock records both current measured values and the min and max values as well. Parker's typical start/stop function with automatic data compression makes complex calculations and tedious configurations unnecessary. Measurements of up to 24 hours can be started easily at the push of a button. Stored measurement data is transferred to a computer or laptop via the USB interface. Thanks to the universal CSV format, data can be analyzed and documented independent of any specialized software.

With an impressive price/performance ratio, the device offers all the advantages of digital pressure measurement.

Applications:

- Maintenance and Service
- Pressure Test
- Leak Test
- Maintenance and operation
- Quality management and laboratory

Functionalities:

- MIN/MAX display
- Adjustable display filter
- ZERO function
- Automatic deactivation adjustable
- Reversable units
- Data logger and realtime clock optional

Markets:

- Mobile hydraulics
- Industrial hydraulics
- Pneumatics
- Plants and machinery
- Environment engineering

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Technical Data

SCJN-	016	100	400	600	1000
Measurement range (bar)	-1…16	0…100	0…400	0…600	0…1,000*
Overload pressure Pmax (bar)	32	200	800	1,000	1,000
Burst pressure (bar)	160	800	1,700	2,000	2,000
Housing	Ø = 90 mm, D = 45 mm Zinc die casting with TPE rubber protection cover				
Weight	approx. 500 g				
Pressure port	Stainless steel 1/4“ BSPP (ISO 228-1), M16x2 SCA-1/4-EMA-3 adapter included				
Input	10 ms scanning rate Accuracy: 0.5 % FS ±1 Digit: SCJN-xxx-01 0.25 % FS ±1 Digit: SCJN-xxx-03 0.1 % FS ±1 Digit: SCJN-xxx-02 + 0.2 %/year				
Display	LC text display, 4.5 digits Back-lit illumination				
Parts contacting medium	Stainless steel, NBR				
Functions	Units: mbar, bar, PSI, Mpa, kPa, kg/cm² Display MIN/MAX/FS Battery level display Auto Power Off/On Zero (zero point adjustment) Reset (delete MIN/MAX)				
Data logger (optional)	USB mini port / with protective cap Real time clock Storage rate from 100 ms. Up to 18000 measured values (automatic data compression) Maximum measuring time: 24 hr. Number of measurements: 10 Memory format: CSV				
Power supply	2 x 1.5V batteries (AA) Battery lifetime max. 1,500 h, with data logger 600 h				
Ambient conditions	Ambient temperature -10...+50 °C (0…50 °C for SCJN-xxx-x2) Storage temperature -20...+60 °C Media temperature -20…+80 °C rel. humidity < 85 % Protection class IP67 EN 60529, Data logger version IP65 Vibration IEC 60068-2-6/ 10…500 Hz, 5 g Shock load IEC 60068-2-29/25 g, 11 ms				

*Nenndruck 630 bar, for pressure peaks up to 1000 bar

Delivery program

ServiceJunior measurement ranges -1…016 bar/0...100 bar/0...400 bar/0...600 bar/0...1.000 bar	order designation
ServiceJunior 0.5%	SCJN-xxx-x1
ServiceJunior 0.1%	SCJN-xxx-x2
ServiceJunior 0.25%	SCJN-xxx-x3
ServiceJunior with data logger	
ServiceJunior 0.5% with data logger	SCJN-xxx-L1
ServiceJunior 0.1% with data logger	SCJN-xxx-L2
ServiceJunior 0.25% with data logger	SCJN-xxx-L3
ServiceJunior with calibration certificate as per ISO 9001	
ServiceJunior 0.5% with calibration certificate	K-SCJN-xxx-x1
ServiceJunior 0.1% with calibration certificate	K-SCJN-xxx-x2
ServiceJunior 0.25% with calibration certificate	K-SCJN-xxx-x3
ServiceJunior with data logger and calibration certificate as per ISO 9001	
ServiceJunior 0.5% with calibration certificate	K-SCJN-xxx-L1
ServiceJunior 0.1% with calibration certificate	K-SCJN-xxx-L2
ServiceJunior 0.25% with calibration certificate	K-SCJN-xxx-L3
ServiceJunior Kit	
Included in supply package: - Equipment case SCC-120 - ServiceJunior SCJN-XXX-X1 (0.5%) incl. adapter (1/4“ BSPP female - M16x2 female) SCA-1/4-EMA-3 - Adapter (M16x2 male - M16x2 male) SCA-EMA-3/3 - Test hose 1,500 mm (M16x2) SMA3-1500	
ServiceJunior-Kit	SCJN-KIT-xxx*
ServiceJunior Datalogger-Kit	SCJN-KIT-XXX-L1*

* not available for 1,000 bar

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