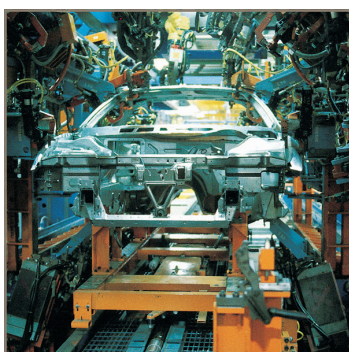




# SensoControl ServiceJunior

with data logger



ENGINEERING YOUR SUCCESS.

# 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
- Reversible units
- Data logger and realtime clock optional

## Markets:

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



# Technical Data

| SCJN-                                    | 016                                                                                                                                                                                                                                                                                                          | 100     | 400     | 600     | 1000       |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|------------|
| Measurement range (bar)                  | -1...16                                                                                                                                                                                                                                                                                                      | 0...100 | 0...400 | 0...600 | 0...1,000* |
| Overload pressure P <sub>max</sub> (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<br>Zinc die casting with TPE rubber protection cover                                                                                                                                                                                                                                    |         |         |         |            |
| Weight                                   | approx. 500 g                                                                                                                                                                                                                                                                                                |         |         |         |            |
| Pressure port                            | Stainless steel 1/4" BSPP (ISO 228-1),<br>M16x2 SCA-1/4-EMA-3 adapter included                                                                                                                                                                                                                               |         |         |         |            |
| Input                                    | 10 ms scanning rate<br>Accuracy:<br>0.5 % FS ±1 Digit: SCJN-xxx-01<br>0.25 % FS ±1 Digit: SCJN-xxx-03<br>0.1 % FS ±1 Digit: SCJN-xxx-02<br>+ 0.2 %/year                                                                                                                                                      |         |         |         |            |
| Display                                  | LC text display, 4.5 digits<br>Back-lit illumination                                                                                                                                                                                                                                                         |         |         |         |            |
| Parts contacting medium                  | Stainless steel, NBR                                                                                                                                                                                                                                                                                         |         |         |         |            |
| Functions                                | Units: mbar, bar, PSI, Mpa, kPa, kg/cm²<br>Display MIN/MAX/FS<br>Battery level display<br>Auto Power Off/On<br>Zero (zero point adjustment)<br>Reset (delete MIN/MAX)                                                                                                                                        |         |         |         |            |
| Data logger (optional)                   | USB mini port / with protective cap<br>Real time clock<br>Storage rate from 100 ms. Up to 18000 measured values (automatic data compression)<br>Maximum measuring time: 24 hr.<br>Number of measurements: 10<br>Memory format: CSV                                                                           |         |         |         |            |
| Power supply                             | 2 x 1.5V batteries (AA)<br>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)<br>Storage temperature -20...+60 °C<br>Media temperature -20...+80 °C<br>rel. humidity < 85 %<br>Protection class IP67 EN 60529, Data logger version IP65<br>Vibration IEC 60068-2-6/ 10...500 Hz, 5 g<br>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       |
| <b>ServiceJunior with data logger</b>                                                            |                   |
| 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       |
| <b>ServiceJunior with calibration certificate as per ISO 9001</b>                                |                   |
| 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     |
| <b>ServiceJunior with data logger and calibration certificate as per ISO 9001</b>                |                   |
| 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     |
| <b>ServiceJunior Kit</b>                                                                         |                   |
| 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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