



# 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 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
<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

# Parker Worldwide

## Europe, Middle East, Africa

**AE – United Arab Emirates,**  
Dubai

Tel: +971 4 8127100  
parker.me@parker.com

**AT – Austria,** St. Florian

Tel: +43 (0)7224 66201  
parker.austria@parker.com

**AZ – Azerbaijan,** Baku

Tel: +994 50 2233 458  
parker.azerbaijan@parker.com

**BE/NL/LU – Benelux,**

Hendrik Ido Ambacht  
Tel: +31 (0)541 585 000  
parker.nl@parker.com

**BG – Bulgaria,** Sofia

Tel: +359 2 980 1344  
parker.bulgaria@parker.com

**BY – Belarus,** Minsk

Tel: +48 (0)22 573 24 00  
parker.poland@parker.com

**CH – Switzerland,** Etoy

Tel: +41 (0)21 821 87 00  
parker.switzerland@parker.com

**CZ – Czech Republic,** Klecany

Tel: +420 284 083 111  
parker.czechrepublic@parker.com

**DE – Germany,** Kaarst

Tel: +49 (0)2131 4016 0  
parker.germany@parker.com

**DK – Denmark,** Ballerup

Tel: +45 43 56 04 00  
parker.denmark@parker.com

**ES – Spain,** Madrid

Tel: +34 902 330 001  
parker.spain@parker.com

**FI – Finland,** Vantaa

Tel: +358 (0)20 753 2500  
parker.finland@parker.com

**FR – France,** Contamine s/Arve

Tel: +33 (0)4 50 25 80 25  
parker.france@parker.com

**GR – Greece,** Piraeus

Tel: +30 210 933 6450  
parker.greece@parker.com

**HU – Hungary,** Budaörs

Tel: +36 23 885 470  
parker.hungary@parker.com

**IE – Ireland,** Dublin

Tel: +353 (0)1 466 6370  
parker.ireland@parker.com

**IL – Israel**

Tel: +39 02 45 19 21  
parker.israel@parker.com

**IT – Italy,** Corsico (MI)

Tel: +39 02 45 19 21  
parker.italy@parker.com

**KZ – Kazakhstan,** Almaty

Tel: +7 7273 561 000  
parker.easteurope@parker.com

**NO – Norway,** Asker

Tel: +47 66 75 34 00  
parker.norway@parker.com

**PL – Poland,** Warsaw

Tel: +48 (0)22 573 24 00  
parker.poland@parker.com

**PT – Portugal**

Tel: +351 22 999 7360  
parker.portugal@parker.com

**RO – Romania,** Bucharest

Tel: +40 21 252 1382  
parker.romania@parker.com

**RU – Russia,** Moscow

Tel: +7 495 645-2156  
parker.russia@parker.com

**SE – Sweden,** Spånga

Tel: +46 (0)8 59 79 50 00  
parker.sweden@parker.com

**SK – Slovakia,** Banská Bystrica

Tel: +421 484 162 252  
parker.slovakia@parker.com

**SL – Slovenia,** Novo Mesto

Tel: +386 7 337 6650  
parker.slovenia@parker.com

**TR – Turkey,** Istanbul

Tel: +90 216 4997081  
parker.turkey@parker.com

**UA – Ukraine,** Kiev

Tel: +48 (0)22 573 24 00  
parker.poland@parker.com

**UK – United Kingdom,** Warwick

Tel: +44 (0)1926 317 878  
parker.uk@parker.com

**ZA – South Africa,** Kempton Park

Tel: +27 (0)11 961 0700  
parker.southafrica@parker.com

## North America

**CA – Canada,** Milton, Ontario

Tel: +1 905 693 3000

**US – USA,** Cleveland

Tel: +1 216 896 3000

**US – USA,** Minneapolis

Parker Hannifin Corporation  
**Quick Coupling Division**

8145 Lewis Road

Minneapolis, MN 55427

Tel: +1 763 544 7781

fax: +1 763 544 3418

parker.com/conditionmonitoring

## Asia Pacific

**AU – Australia,** Castle Hill

Tel: +61 (0)2-9634 7777

**CN – China,** Shanghai

Tel: +86 21 2899 5000

**HK – Hong Kong**

Tel: +852 2428 8008

**IN – India,** Mumbai

Tel: +91 22 6513 7081-85

**JP – Japan,** Tokyo

Tel: +81 (0)3 6408 3901

**KR – South Korea,** Seoul

Tel: +82 2 559 0400

**MY – Malaysia,** Shah Alam

Tel: +60 3 7849 0800

**NZ – New Zealand,** Mt Wellington

Tel: +64 9 574 1744

**SG – Singapore**

Tel: +65 6887 6300

**TH – Thailand,** Bangkok

Tel: +662 186 7000

**TW – Taiwan,** Taipei

Tel: +886 2 2298 8987

## South America

**AR – Argentina,** Buenos Aires

Tel: +54 3327 44 4129

**BR – Brazil,** Sao Jose dos Campos

Tel: +55 800 727 5374

**CL – Chile,** Santiago

Tel: +56 2 623 1216

**MX – Mexico,** Toluca

Tel: +52 72 2275 4200

### EMEA Product Information Centre

Free phone: 00 800 27 27 5374

(from AT, BE, CH, CZ, DE, DK, EE, ES, FI, FR, IE, IL,  
IS, IT, LU, MT, NL, NO, PL, PT, RU, SE, SK, UK, ZA)

### US Product Information Centre

Toll-free number: 1-800-27 27 537

www.parker.com

