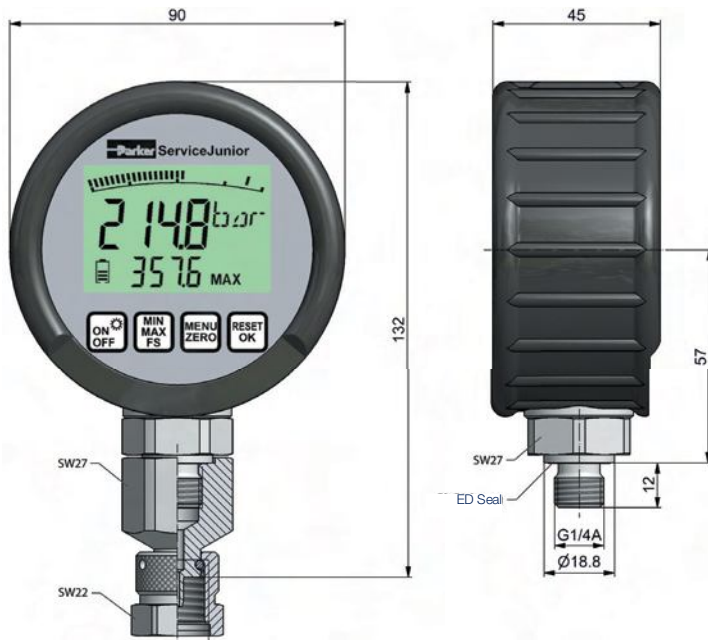


1 ServiceJunior

Supply range and accessories

ServiceJunior: measuring ranges -1...016 bar/0...100 bar/0...400 bar/0...600 bar/0...1,000 bar	Order code
Accuracy ± 0.5% FS	SCJN-xxx-01
Accuracy ± 0.25% FS	SCJN-xxx-03
Accuracy ± 0.1% FS	SCJN-xxx-02
Included in the supply package: ServiceJunior (according to pressure range), 1.5 V batteries (AA), SCA-1/4-EMA-3 adapter	
Spare parts/accessories	Order code
Equipment case	SCC-120
Rubber protection	SCJN-RUBBER
ServiceJunior kits: measuring ranges -1...016 bar/0...100 bar/0...400 bar/0...600 bar	Order code
Included in the supply package: <ul style="list-style-type: none"> ■ Equipment case SCC-120 ■ ServiceJunior SCJN-xxx-01 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 	SCJN KIT xxx*
ServiceJunior with calibration certificate as per ISO 9001	Order code
ServiceJunior	K-SCJN-xxx-01
ServiceJunior kits	K-SCJN KIT xxx*
* not available for 1,000 bar	

Technical data



SCJN	016	100	400	600	1,000
Range (bar)	-1...16	0...100	0...400	0...600	0...1,000*
Range (bar)	16	100	400	600	630
Overload pressure P_{max} (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 rubber TPE protection cover				
Weight	approx. 300 g				
Pressure port	Stainless steel 1/4" BSPP (ISO 228-1), M16x2 SCA-1/4-EMA-3 adapter included				
Input	PMC pressure measurement cell 10-ms scanning rate Accuracy ± 0.5 % FS: SCJN-xxx-01 ± 0.25 % FS: SCJN-xxx-03 ± 0.1 % FS: SCJN-xxx-02 + 0.2 %/year A/D converter 12 bit				
Display	LC text display, 4.5 digits, 50x34 mm Digit size ACT value display 13.5 mm Back-lit illumination Bar graph (trailing indicator) with peak-hold function (analogue output on request)				

Sealing	NBR
Parts in contact with media	Stainless steel, NBR
Functions	Units: mbar, bar, PSI, Mpa, kPa, kg/cm ² Display MIN/MAX/FS Battery level display Auto power Off/On Zero (zero-point correction) Reset (delete MIN/MAX)
Power supply	2 1.5V batteries (AA) Battery lifetime max. 1,500 h
Ambient temperature (°C)*	-10...+50
Storage temperature (°C)	-20...+60
Media temperature (°C)	+80
Rel. humidity	< 85 %
Type of protection	IP67 EN 60529
Vibration resistance	IEC 60068-2-6/10...500 Hz, 5 g
Shock load	IEC 60068-2-29/25 g, 11 ms
Reliability cycles	100 million
Rubber color	blue 0...016 bar green 0...100 bar orange 0...400 bar red 0...600 bar black 0...1000 bar

* 0...50 °C for SCJN-xxx-02

1 ServiceJunior

Pressure measurement



ServiceJunior with adapter 1/4" BSPF female - M16x2 female SCA-1/4-EMA-3





Adapter M16x2 male - M16x2 male SCA-EMA-3/3

Test hose SMA3-xxx

Measuring Connection EMA-3/xxx

Function specifications



No.	Function
A	Trailing indicator with bar graph from peak-hold function
B	Display of MIN/MAX or full scale range (FS)
C	Battery level display
D	ACT value back-lit display (13.5 mm)
	<ul style="list-style-type: none"> On/off switch Back-lit display
	Minimum/maximum value/full scale (FS)
	<ul style="list-style-type: none"> Automatic shut-off, choice of units Zero-point correction
	<ul style="list-style-type: none"> Reset MIN and MAX values Confirm menu function

1 ServiceJunior

ServiceJunior

- Digital pressure measurement and backlit display
- Accuracy $\pm 0.1-0.5\%$ FS (full scale)
- Display with bar graph (trailing indicator) with peak-hold function
- Pressure peak capture at 10-ms scanning rate
- Easy operation
- Long-term stability
- Rotatable



The **ServiceJunior** measures and displays pressures in a single device. Measured values are shown with high precision on a 4-digit display. Pressure peaks are securely captured at a scanning rate of 10 ms.

The **ServiceJunior** stands out for its easy operation. With its attractive price to performance ratio, the instrument offers all the advantages of digital pressure measurement.

The MIN and MAX value saving also makes it possible to record pressure peaks.



Blue	Green	Orange	Red	Black
16 bar	100 bar	400 bar	600 bar	1000 bar

Finding the best measuring device

Finding the best measuring device

Choice/feature	ServiceJunior	Parker Serviceman Plus	The Parker Service Master Easy	The Parker Service Master Plus
Measurement	●	●	●	●
Display	●	●	●	●
Memory	—	●	●	●
Read out	ACT/MIN/MAX/FS (peak-hold)	ACT/MIN/MAX FS	ACT/MIN/MAX FS	ACT/MIN/MAX/FS (peak-hold)
2-channel display	—	●	●	●
3-channel display	—	●	●	●
4-channel display	—	—	●	●
≥ 6-channel display	—	—	—	●
Additional channel	—	—	—	●
Pressure peaks	10 ms	1 ms	1 ms/0.25 ms	1 ms/0.1 ms
Pressure	●	●	●	●
Calculation channels	—	●	●	●

Functions

Operation with	Battery	Rechargeable battery	Rechargeable battery	Rechargeable battery
Interface	—	USB	USB	USB/Ethernet
Online function	—	●	●	●
Data recording	—	●	●	●
External power supply	—	●	●	●

Sensor connection

Pressure	● (integrated)	●	●	●
Temperature/RPM/flow	—	●	●	●
Electrical signals	—	○	○	●
External sensors	—	○	○	●
Parker CAN bus sensors	—	●	—	●

- not available
- optional
- standard

Measuring devices

Measuring devices

- Long-term stability
- Rugged design
- Easy operation
- Flexible use on site
- Documentation of measured values

SensoControl® handmeters and accessories are ideal measuring tools for every application. Whether you use them in industry, mobile hydraulics, service or repair: measuring and processing hydraulic values is the basis for reliable troubleshooting. That is why modern tools are essential to today's service technicians when it comes to systematic searches for errors.

High-speed processes such as switching valves, cylinder strokes, pressure peaks, differential pressures and flow changes must be measured and evaluated simultaneously.



SensoControl® handmeters are specially developed for the following applications:

- Measuring and displaying hydraulic values such as pressure, differential pressure, pressure peaks, temperature and flow as well as speed.
- Mobile recording of measured values in high precision and with easy operation.
- All **SensoControl®** handmeters and accessories are manufactured and tested in our own plants. Our constant insistence on top quality and flexibility makes Parker your reliable partner.