1 ServiceJunior

ServiceJunior

- Digital pressure measurement and back-lit display
- Accuracy ± 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

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Function specifications

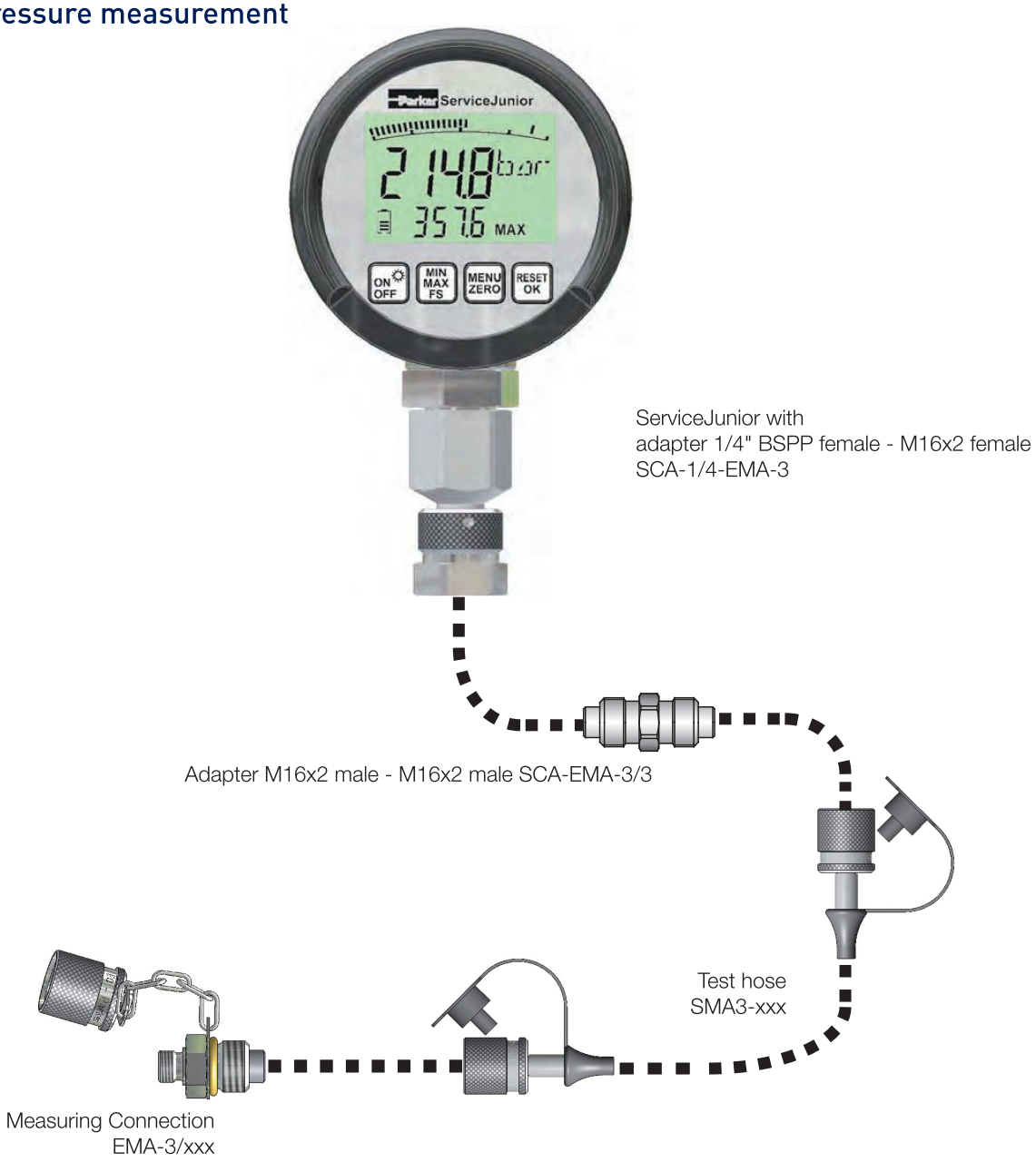


No.	Function
A	Trailing indicator with bar graph from peak-hold function
B	Display of MIN/MAX or full scale range (FS)
C	Battery level display
D	ACT value back-lit display (13.5 mm)
ON OFF	■ On/off switch ■ Back-lit display
MIN MAX FS	Minimum/maximum value/full scale (FS)
MENU ZERO	■ Automatic shut-off, choice of units ■ Zero-point correction
RESET OK	■ Reset MIN and MAX values ■ Confirm menu function

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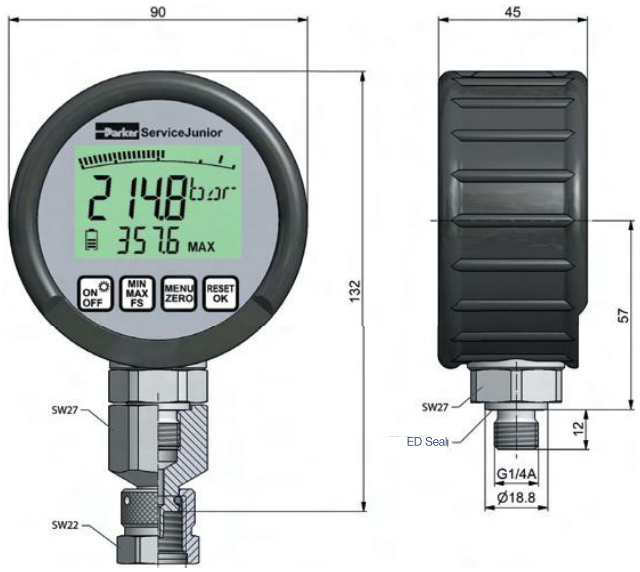
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Pressure measurement



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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/cm² 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

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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: ■ 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	