

# 1 ServiceJunior

## Pressure measurement



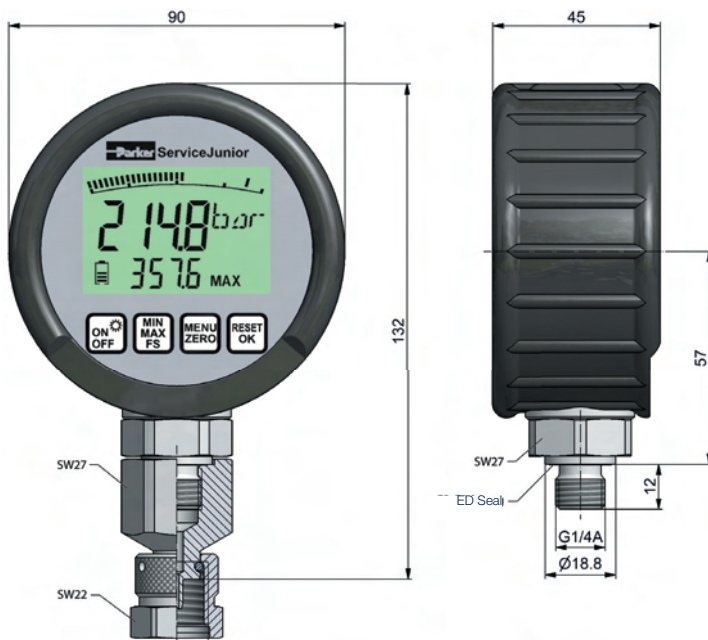
ServiceJunior with adapter 1/4" BSPF female - M16x2 female SCA-1/4-EMA-3

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

Test hose SMA3-xxx

Measuring Connection EMA-3/xxx

## 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 <sup>2</sup> 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

<b>ServiceJunior: measuring ranges -1...016 bar/0...100 bar/0...400 bar/0...600 bar/0...1,000 bar</b>	<b>Order code</b>
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	
<b>Spare parts/accessories</b>	<b>Order code</b>
Equipment case	SCC-120
Rubber protection	SCJN-RUBBER
<b>ServiceJunior kits: measuring ranges -1...016 bar/0...100 bar/0...400 bar/0...600 bar</b>	<b>Order code</b>
Included in the supply package: <ul style="list-style-type: none"> <li>■ Equipment case SCC-120</li> <li>■ ServiceJunior SCJN-xxx-01 incl. adapter (1/4" BSPP female - M16x2 female) SCA-1/4-EMA-3</li> <li>■ Adapter (M16x2 male - M16x2 male) SCA-EMA-3/3</li> <li>■ Test hose 1,500 mm (M16x2) SMA3-1500</li> </ul>	SCJN KIT xxx*
<b>ServiceJunior with calibration certificate as per ISO 9001</b>	<b>Order code</b>
ServiceJunior	K-SCJN-xxx-01
ServiceJunior kits	K-SCJN KIT xxx*
* not available for 1,000 bar	