

1 ServiceJunior

Product Specifications

- Digital pressure measurement and back-lit display
- Accuracy $\pm 0,5\%$ FS
- Display with bar graph (trailing indicator) with peak & hold function
- Pressure peaks captured – 10 ms scanning rate
- Easy operation
- Long-term stability
- Back-lit measured value display
- Pressure ports stainless steel 1/4" BSPP

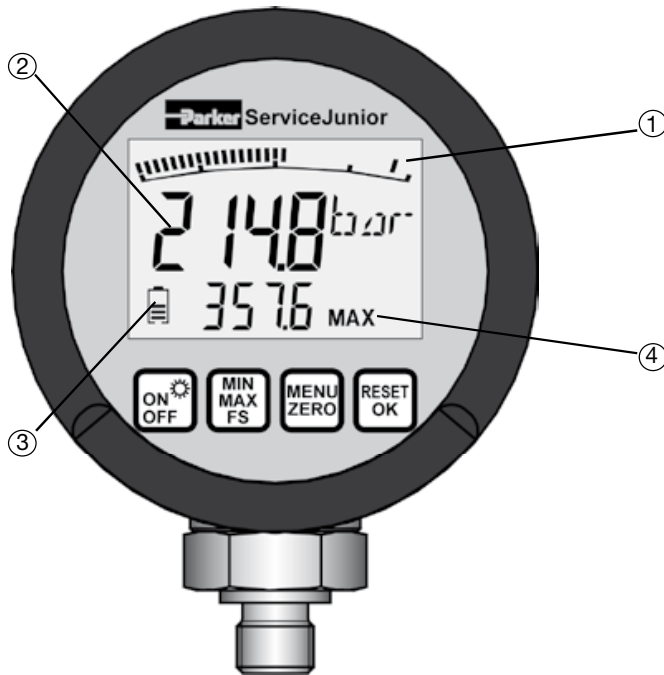


ServiceJunior Digital Pressure Gauge

The **ServiceJunior** makes possible the measurement and display of pressures with one instrument. 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** is distinctive through its very simple operation. With its convincing price to power ratio, the instrument offers all the advantages of digital pressure measurement.



1 ServiceJunior
Function Specifications


- ① Trailing-indicator display with bar-graph due to peak & hold function
- ② Actual value back-lit display (15 mm)
- ③ Battery level display
- ④ Display of MIN/MAX or Full Scale Range display (FS)

Menu functions


 On/off switch
 Back-lit display

 Minimum/maximum value/
 FullScale

 Menu: auto shut-off
 Choice of units
 Zero: Zero point correction

 Delete MIN/MAX value
 Confirm menu function

ServiceJunior:
ServiceJunior:

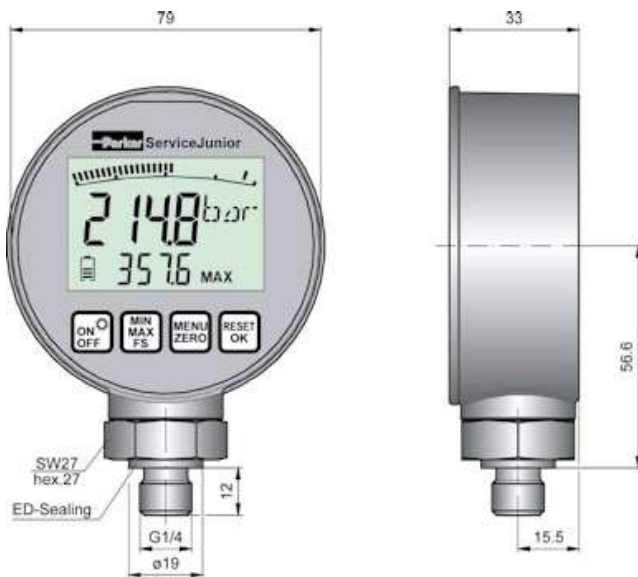
Range: -1...016 bar/0...100 bar/0...400 bar/0...600 bar/0...1.000 bar

SCJN-xxx-01

 1 ServiceJunior (acc. to pressure range)
 2 batteries 1,5 V alkaline
 1 adapter SCA-1/4-EMA-3

See page 77 for kits and equipment cases.



1 ServiceJunior
Technical Data


Technical Data					
SCJN	016	100	400	600	1000
Range (bar)	-1...16	0...100	0...400	0...600	0...1.000
Overload Pressure P _{max} (bar)	40	200	800	1.200	1.500
Burst Pressure (bar)	50	800	1.700	2.200	2.500
Housing	Ø = 79 mm; T = 33 mm Zinc die casting with rubber TPE protection cover				
Weight (g)	540				
Port	Stainless Steel 1.4404 1/4" BSPP (ISO 228-1)				
Input	Sensor element ceramics (16 bar) Strain gauge pressure measurement cell 10 ms scanning rate Accuracy ± 0,25 % FS typ. ± 0,5 % FS max. + 0,2 %/year A/D converter 12 bit 4.096 steps resolution				
Display	LC text display 4 1/2 digits 50x34 mm Digit size: 15 mm Units: mbar/bar/PSI/Mpa/kPa Back lit illumination Bar graph (trailing indicator) with peak & hold function (analog output on request)				
Sealing	NBR				

Technical Data	
Parts in Contact with Media	Stainless Steel 1.4404, NBR, ceramic
Functions	Units: mbar/bar/PSI/Mpa/kPa MIN/MAX - FullScale Battery level display Auto Power Off/On Zero (zero point equalization) Reset (Delete MIN/MAX)
Power Supply	2 x 1,5V alkaline batteries Battery life typ. 1.500 h
Ambient Temperature (°C)	-10...+50
Storage Temperature (°C)	-20...+60
T _{max} Fluid (°C)	+80
Rel. Humidity	< 85 %
Protection	EN 60529 (IP 67)
Vibration	IEC 60068-2-6/10...500 Hz; 5 g
Shock Load	IEC 600068-2-29/25 g; 11 ms
Reliability Cycles (10 ⁶)	100