



aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



ServiceJunior Test Kit

Mobile measurement technology made in Germany.
Reliable and high-quality products by Parker.



ENGINEERING YOUR SUCCESS.

Many testing possibilities at your fingertips

The Service Junior Test Kit is suitable for testing a large variety of pressure gauges.

Industrial and mobile hydraulics work intensively in the high-pressure range. Pressure, as the most important measurement unit, determines the function and productivity of systems and machines here.

Pressure transducers, sensors, and pressure switches can drift due to age, wear, or other influences and consequently lead to false measurement values or switching points.

The ServiceJunior Test Kit offers a practical and mobile testing device to ensure the safety and continuity of function and production. Any manometers and pressure sensors used can be easily checked, pressure switches set, and many more devices tested besides. Reliable and ready to use both inside and outside.

The ServiceJunior Test Kit to test and adjust:

- Manometers
- Pressure sensors
- Pressure switches
- Safety valves

- Pneumatic version at -0.95–60 bar
- Hydraulic version at 0–700 bar
- No additional power supply
- Comprehensive adapter kit

The ServiceJunior Test Kit makes maintenance and service more comprehensive, flexible, and safer. The Test Kit is manageable, robust, and features high-quality

workmanship. It is a meaningful addition to the comprehensive measurement technology by SensoControl and the Parker product range.



**A practical and complete set:
The Test Kit is safely stored in a
compact case. Easy to transport!**

Fast on-site service



Presetting or adjustment of the pressure switch of a compressor



Presetting or adjustment of a pressure switch of a hydraulic power unit



Testing of manometers

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The professional device for professionals: Robust, manageable, and accurate

Easy and quick checks to avoid long production downtimes.

The Kit consists of a hand pump to produce a defined control pressure, and a very precise ServiceJunior as a reference device. Air, water and oil are used as pressure media.

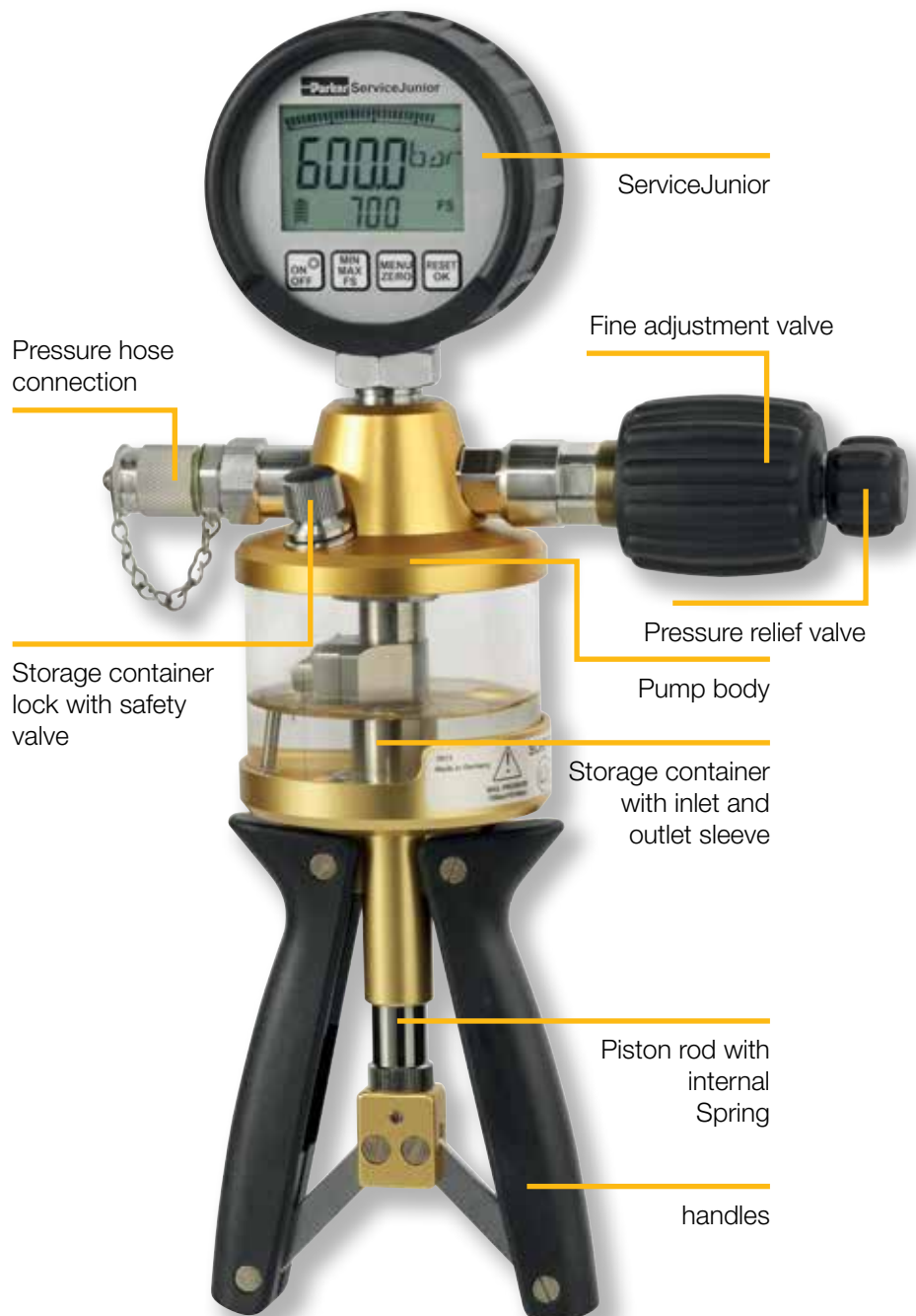
required is produced by pumps and set with precision by using the fine adjustment valve. The tried and tested ServiceJunior serves as a both a reference and a pressure display with

an accuracy of 0.1%. The test specimen is controlled by comparing the pressure display with the measurement value of the test specimen, and is adjusted if necessary.

The test specimen is simply connected to the hand pump. The connecting hose and a comprehensive set of adapters are included in the scope of delivery. The test pressure

The mobile hydraulic type: The ServiceJunior Test Kit up to 700 bar

The mobile pneumatic type: The ServiceJunior Test Kit up to 60 bar



Pressure Measurement



1. Connect the test specimen to the pressure hose using a suitable adapter.



2. Produce the test pressure by pressing the handles together and set it with precision by using the fine adjustment valve.



3. Compare the measurement value of the test specimen with the reference value of the ServiceJunior.

Versions

The SCJN test kit is available in two accuracy references for two pressure ranges:

Type	Pressure range	Accuracy reference
SCHP-KIT-060-02-01	-0.95 ... 60 bar	0.1% of measurement range
SCHP-KIT-060-03-01	-0.95 ... 60 bar	0.25% of measurement range
SCHP-KIT-700-02-01	0 ... 700 bar	0.1% of measurement range
SCHP-KIT-700-03-01	0 ... 700 bar	0.25% of measurement range

Further pressure ranges available upon request.



SensoControl® is the brand of diagnostics products by Parker

These data can be measured

Delivery program, accessories, certificate, and technical data overview.

Delivery program and accessories



Scope of delivery/Accessories/Spare parts	SCHP-KIT-060-XX-01	SCHP-KIT-700-XX-01
Hand pump	SCHP-060-01	SCHP-700-01
Reference	SCJN-060-XX-N	SCJN-700-XX-N
Device case	SCC-400	SCC-410
Sealing kit, plastic flat gaskets, and O-Rings	SCHP-SEALSET	SCHP-SEALSET
Connecting hose 1 m	SMA1/4MA-1/8M-1000BLCF	SCA-SMA3-1000-1/4MA71
Spray bottle	-	SCHP-SPFL-01
Adapter kit Stainless steel adapter G $\frac{1}{4}$ for: G $\frac{1}{8}$ ", G $\frac{1}{4}$ ", G $\frac{3}{8}$ ", G $\frac{1}{2}$ ", G $\frac{1}{4}$ ED", G $\frac{1}{2}$ ED", NPT $\frac{1}{8}$ ", NPT $\frac{1}{4}$ ", NPT $\frac{3}{8}$ ", NPT $\frac{1}{2}$ ", M12x1.5, M20x1.5, G $\frac{1}{8}$ A, G $\frac{1}{4}$ A	SCA-HP-KIT-01	SCA-HP-KIT-01

- not available

Safety guaranteed with a Calibration Certificate according to ISO 9001

DAKKS (German Accreditation Body) certificate available upon request

Kalibrier-Zertifikat Calibration Certificate 1/2

Zertifikat-Nr.	Certificate no.	133ATC1 41652
Bezeichnung Messwertaufnehmer	Description of probe	SCJN-700-03
Messwertaufnehmer-Nr.	Probe no.	133ATC1

Hiermit bestätigen wir, dass das oben genannte Messsystem unter Beachtung eines zertifizierten Qualitätssicherungssystems nach DIN EN ISO 9001:2008 kalibriert wurde.

Die für die Kalibrierung verwendeten Messanordnungen werden regelmäßig kalibriert und sind rückführbar auf die nationalen Normale der Physikalisch-Technischen Bundesanstalt (PTB) Deutschlands oder auf andere nationale Normale. We keine nationalen Normale existieren, entspricht das Messverfahren den derzeit gültigen technischen Regeln und Normen.

Die für diesen Vorgang angefertigte Dokumentation kann bei Bedarf eingesehen werden. Alle erforderlichen Messdaten sind auf den nachfolgenden Seiten/ dieses Kalibrier-Zertifikates aufgelistet.

We hereby confirm that the above mentioned measuring system was calibrated according to DIN EN ISO 9001:2008, under the observation of a certified quality assurance system.

The measuring installations used for calibration are regularly calibrated and are based on the national standards of the German Federal Physical and Technical Institute (PTB) or on other national standards. Should no national standards exist, the measuring procedure corresponds with the technical regulations and norms valid at the time of the measurement.

The documents established for this procedure are available for viewing. All the necessary measured data can be found on the following page(s) of this calibration certificate.

Besondere Bemerkungen Special remarks

Kalibrierdatum Date of calibration: 13.01.2014
Bearbeiter Processed by: Heinz-Hermann Junker

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Anzahl der Seiten dieses Kalibrier-Zertifikats No. of pages of calibration certificate: 2

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Drift:	Service/Jahr	Operating Range:	0...700 kPa PSi
W. Abw.:	SCJN-700-03	Accuracy:	0.25% max FS
Drift:	133ATC1		
Drift:	22.2 °C		
Drift:	31 %/Hr		
Drift:	PT2 mbar		
Drift:	Hydraulic Dead-weight Typ 580		
Drift:	HK Ser-Nr. 24976	Certifikat Nr. DWD-K-0580/UN540-00-11	

Input	Display	Actual	Deviation	Deviation
0.0 bar	0.0 bar	0.0 bar	0.0 bar	0.00 % FS
20.0 bar	20.0 bar	20.0 bar	0.0 bar	0.00 % FS
100.0 bar	100.0 bar	100.0 bar	0.0 bar	0.01 % FS
200.0 bar	200.0 bar	200.0 bar	0.0 bar	0.01 % FS
300.0 bar	300.0 bar	300.0 bar	0.0 bar	0.01 % FS
400.0 bar	400.0 bar	400.0 bar	0.0 bar	0.01 % FS
500.0 bar	500.0 bar	500.0 bar	0.0 bar	0.01 % FS
600.0 bar	600.0 bar	600.0 bar	0.0 bar	0.01 % FS
700.0 bar	700.0 bar	700.0 bar	0.0 bar	0.01 % FS
0.0 bar	0.0 bar	0.0 bar	0.0 bar	0.00 % FS

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Technical Characteristics

	SCHP-KIT-060-xx-01	SCHP-KIT-700-xx-01
Hand pump with pressure hose		
Pressure range	-0.95 ... 60 bar	0 ... 700 bar
Pressure medium	Air	Hydraulic fluid (-10 ... 60 °C, non-freezing)* or demineralized water (0 ... 60 °C, non-freezing)
ServiceJunior connection	G ¼"	G ¼"
Test specimen connection	Pressure hose (1 m) with G ¼" union joint	M16x2 or Pressure hose with G ¼" union joint
Dimensions without ServiceJunior	240 x 170 x 50 mm	approx. 255 x 225 x 85 mm
Weight without ServiceJunior	1.1kg	approx. 1.7 kg
Reference		
Measuring range	-1...60 bar	0 ... 700 bar
Overload pressure	120 bar	1,000 bar
Burst pressure	550 bar	2,000 bar
Accuracy (in % of measuring range)	SCHP-KIT-060-02-01: 0.1 % ±1 digit, SCHP-KIT-060-03-01: 0.25 % ±1 digit	SCHP-KIT-700-02-01: 0.1 % ±1 digit, SCHP-KIT-700-03-01: 0.25 % ±1 digit
Sample Interval	10 ms	10 ms
Process connection	G ¼" stainless steel, NBR seal	G ¼" stainless steel, NBR seal
Display	LC text display, 4.5 digits, 50 x 34 mm, digit height 13.5 mm, backlight, units: bar, mbar, psi, kPa, Mpa, kg/cm ² , bar graph (drag indicator)	LC text display, 4.5 digits, 50 x 34 mm, digit height 13.5 mm, backlight, units: bar, mbar, psi, kPa, Mpa, kg/cm ² , bar graph (drag indicator)
Functions	Presentation of MIN and MAX values, battery charge level display, auto power off (disengageable), zero (zero balance)	Presentation of MIN and MAX values, battery charge level display, auto power off (disengageable), zero (zero balance)
Power Supply	2 x 1.5 V batteries (AA)	2 x 1.5 V batteries (AA)
Ambient temperature	0 ... 50 °C	0 ... 50 °C
Storage temperature	-20 ... + 60 °C	-20 ... + 60 °C
Rel. Humidity	< 85 %	< 85 %
IP rating	IP 67 EN 60529	IP 67 EN 60529
Vibration	IEC 60068-2-6/10 ... 500 Hz, 5 g	IEC 60068-2-6/10 ... 500 Hz, 5 g
Shock load	IEC 60068-2-29/25 g, 11 ms	IEC 60068-2-29/25 g, 11 ms
Weight	approx. 540 g	approx. 540 g

*Observe the instructions in the data sheets of the hydraulic oil used

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