

2 Parker Serviceman Plus

Parker Serviceman Plus

- Easy handling
- Robust design with oil-resistant rubber protection
- Plug & Play functionality
- Large backlit display
- Direct storage on nano USB stick
- PC connection
- Including SensoWin® PC software
- Available in 2 versions:
Analogue or CAN



Analogue version



CAN version



Of the **Parker Serviceman Plus** is a mobile, extremely robust and easy-to-use measuring instrument for many measuring tasks in mobile hydraulics or in stationary hydraulic systems.

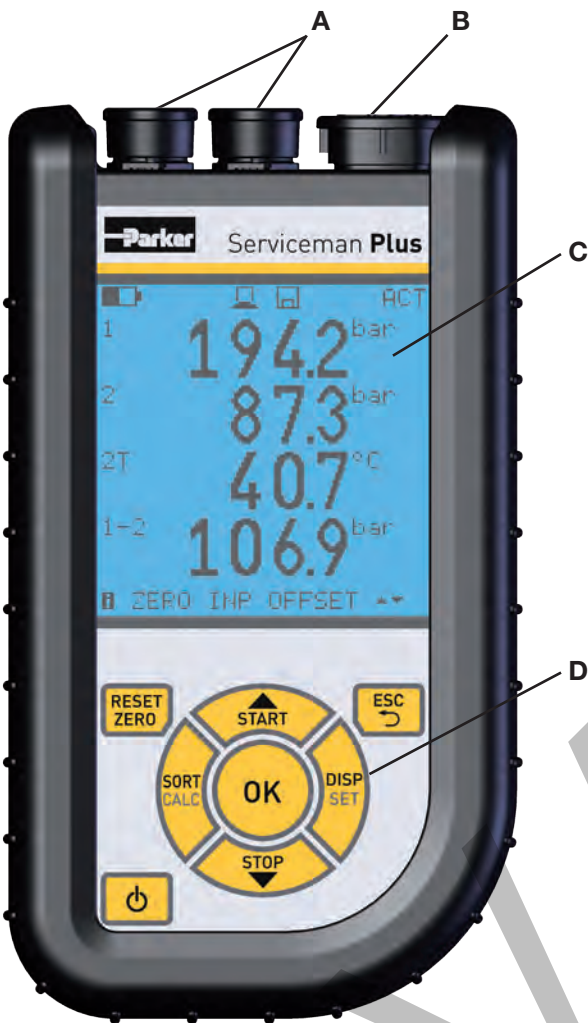
With the automatic sensor recognition, you can simply plug in pressure, temperature, flow or speed sensors and start measuring immediately.

There is no need to parameterise the sensors because the measuring ranges are automatically scaled and the measured value shown on the display.

Advantages of the Parker CAN bus

- Cable lengths up to 50 m
- Low wiring effort, up to 3 sensors on one bus line
- High interference resistance due to digital data transfer
- Plug & Play functionality without parameterisation

Functional description



A	Sensor connections
B	USB connections for external hard drive, charging function and data transfer to PC
C	Illuminated display
D	Keyboard
	Switching on and off
	<ul style="list-style-type: none">■ Resettable MIN and MAX values■ Zero-point adjustment
	Back
	Confirm selection
	<ul style="list-style-type: none">■ Rearrange channels in the display■ Insert arithmetic channel
	<ul style="list-style-type: none">■ Toggle display: MIN and MAX values, sensor end value or temperature■ Basic device settings
	Start measured value storage
	Stop measured value storage



USA suitcase
(possibly different content)

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Technical data

	SCM-155-0-02 analogue	SCM-155-2-05 CAN
Inputs		
Sensor inputs	2 Parker analogue sensors with sensor recognition	CAN bus interface for up to 3 Parker CAN bus sensors with sensor recognition
Measuring accuracy	< ± 0.2 % FS ± 1 digit	–
Plug-in Connection	5 pin, push-pull	5 pin, M12x1, SPEEDCON®, plug
Sample rate	1 ms	1 ms
Interfaces		
USB device	Online data transfer between device and PC via PC software SensoWin®, measured value transfer: ACT/MIN/MAX, min. 5 ms, USB standard: 2.0, full speed, plug connection: Micro-USB socket, shielded, type B	
USB host	Port for USB stick, max. 4 GB, recommended types: Delock USB 2.0 Nano-Stick, Intenso Micro Line, USB standard: 2.0, full speed, max. 100 mA, plug connection: Micro-USB socket, shielded, type B	
Memory		
Internal measured value memory	1 measurement, approx. 15,000 data records (270,000 measured values ACT/MIN/MAX), max. 24 h per measurement	
USB stick	4 GB included	
Storage format	Choice of SCMO (SensoWin compatible) or CSV	
Functions	Difference, addition, hydraulic power, ACT, MIN, MAX, FS, TEMP display, battery status, start/stop measurement with automatic data compression, adjustable display filter	
Display indication		
Type	FSTN-LCD, graphic, with LED backlight	
Visible area	62mm x 62mm	
Resolution	130 x 130 pixels	
Power supply (external)	Micro USB socket, type. B, + 5V DC, max. 1,000 mA	
Rechargeable battery		
Type	Lithium-ion pack, 3.7 V DC / 2250 mAh	Lithium-ion pack, 3.7 V DC / 4500 mAh
Battery charging time with power supply unit	approx. 3.5 h	approx. 7 h
Battery discharge time	> 8 h, with 2 sensors	> 8 h, with 2 CAN bus sensors
Housing		
Housing material	PC/ABS/POM	
Housing protective cover material	TPU	
Dimensions (W x H x D)	96 x 172 x 54 mm	
Weight	approx. 530 g	
Ambient conditions		
Ambient temperature	0...+50 °C	
Storage temperature	-25...+60 °C	
Rel. Humidity	< 80 %	
Environmental impact test	DIN EN 60068-2-32 (1 m free fall)	
Protection class	IP54 EN 60529	IP67 EN 60529
SensoWin® PC software	Read-out, display, computer analysis of measured data, read-out, alteration of device settings, loading of device settings from library onto hand-held device	

Supply range and accessories

Parker Serviceman Plus Scope of delivery	Order designation	
	SCM-155-0-02 analogue	SCM-155-2-05 CAN
Power supply unit with USB port 110/240 VAC, 1 A, SCSN-440	●	●
Nano USB stick 4 GB, SC USB MINISTICK	●	●
1 m USB connection cable (for charging and connection to PC)	●	●
SensoWin® PC software	●	●

Spare parts and accessories	Order designation
Car cable adapter with USB port 12/24 VDC, 1 A	SCNA-USB-CAR
2 m USB connection cable (for charging and connection to PC)	SCK-315-02-36
Equipment case	SCC-200
Equipment case for PQ kit	SCC-DRV-300

Parker Serviceman Plus kits	Order designation					
	SCKIT- 155-0-00	SCKIT- 155-2-00	SCKIT- 155-0-600	SCKIT- 155-2-600	SCKIT- 155-0-PQ	SCKIT- 155-2-PQ
Equipment case	SCC-200	SCC-200	SCC-200	SCC-200	SCC-DRV-300	SCC-DRV-300
Parker Serviceman Plus incl. USB stick, power supply unit, PC connection cable and SensoWin® PC software	SCM-155- 0-02 (analogue)	SCM-155- 2-05 (CAN)	SCM-155- 0-02 (analogue)	SCM-155- 2-05 (CAN)	SCM-155-0-02 (analogue)	SCM-155-2-05 (CAN)
Pressure sensor, 600 bar analogue SCP-600-74-02	—	—	1	—	—	—
Pressure sensor, 600 bar CAN SCP-600-C4-05	—	—	—	1	—	—
Pressure/temperature sen- sor SCPT-600-02-02	—	—	—	—	1	—
Pressure/temperature sensor SCPT-600-C2-05	—	—	—	—	—	1
Turbine flow meter SCFT-150-DRV	—	—	—	—	1	—
Turbine flow meter SCFT-150-DRV-C2-05	—	—	—	—	—	1
Connection cable analogue SCK-102-03-02	2	—	1	—	2	—
CAN connection cable SCK-401-02-4F-4M	—	2	—	1	—	2
Y-junction CAN SCK-401-0.3-Y	—	1	—	—	—	1
CAN terminating resistor SCK-401-R	—	1	—	1	—	1
EMA adapter SCA-EMA-3/3	2	2	1	1	1	1
Measuring hose SMA3-1500CF	2	2	1	1	1	1
Please order additional accessories/sensors separately						

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Parker Serviceman Plus with calibration certificate according to ISO 9001	Order designation
Parker Serviceman Plus analogue	K-SCM-155-0-02
Parker Serviceman Plus analogue	K-SCKIT-155-0-00
Parker Serviceman Plus kit analogue with 600-bar sensor	K-SCKIT-155-0-600
Parker Serviceman Plus kit CAN with calibrated 600-bar sensor	K-SCKIT-155-2-600
Parker Serviceman Plus analogue p-Q kit	K-SCKIT-155-0-PQ
Parker Serviceman Plus-CAN-p-Q kit	K-SCKIT-155-2-PQ