2 Parker Serviceman Plus

Parker Serviceman Plus

- Easy operation
- Rugged design with oil-resistant rubber protection
- Plug & Play function
- Large back-lit display
- Innovative memory system with nano USB stick
- PC connection
- Incl. PC software SensoWin®
- Available in 2 versions: analogue or CAN

Analogue version

CAN version

The new **Parker Serviceman Plus** is a mobile, extremely robust and easy to use measuring device for a large range of measuring tasks in mobile hydraulics or stationary hydraulic plants.

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

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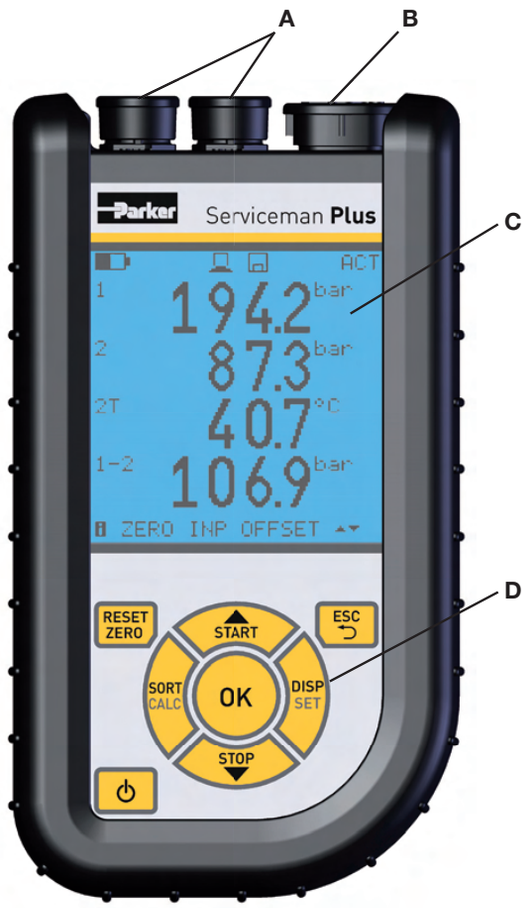
Function specifications



A	Sensor connections
B	USB connections for external hard drive, charging function and data transfer to PC
C	Back-lit display
D	Keypad
⏻	On/off switch
RESET ZERO	■ Reset MIN and MAX values ■ Zero-point correction
ESC	Back
OK	Confirm selection
SORT CALC	■ Sort channels on display ■ Add calculation channel
DISP SET	■ Switch display: MIN and MAX values, final sensor value or temperature ■ Basic device settings
START	Start measurement saving
STOP	Stop measurement saving

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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 connection	5 pin, push-pull	5 pin, M12x1, SPEEDCON®, plug
Scanning 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 port, 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 port, shielded, type B	
Memory		
Internal measured value memory	1 measurement, approx. 15,000 data sets (270,000 measured values ACT/MIN/MAX)	
USB stick	1 GB included in the supply package	
Functions	Difference, addition, hydraulic power, ACT, MIN, MAX, FS, TEMP display, battery level, start/stop measurement	
Display		
Type	FSTN-LCD, graphic, with LED back-lit illumination	
Visible area	62 mm x 62 mm	
Resolution	130 x 130 pixels	
Power supply (external)	Micro-USB port, 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. 300 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)	
Type of protection	IP54 EN 60529	IP67 EN 60529
PC software SensoWin®	Read-out, display, computer analysis of measured data, read-out, alteration of device settings, loading of device settings from library onto handheld device	

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Supply range and accessories

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

Spare parts and accessories	Order code
Car cable adapter with USB connection 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

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

Parker Serviceman Plus with calibration certificate as per ISO 9001	Order code
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