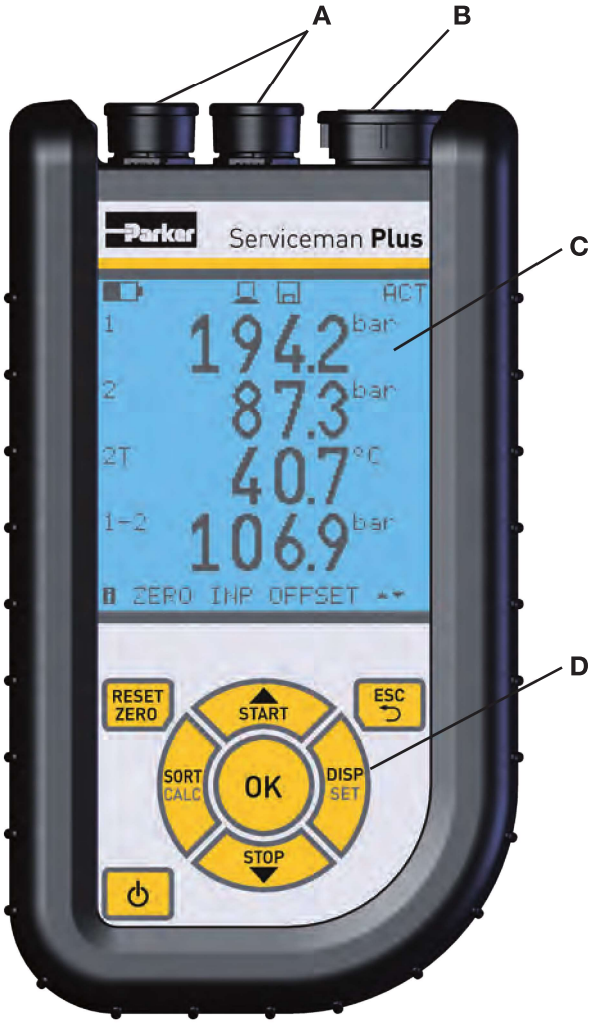
Functional description



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
RESET ZERO	■ Resettable MIN and MAX values ■ Zero-point adjustment
ESC	Back
OK	Confirm selection
SORT CALC	■ Rearrange channels in the display ■ Insert calculation channel
DISP SET	■ Toggle display: MIN and MAX values, sensor end value or temperature ■ Basic device settings
START	Start measured value storage
STOP	Stop measured value storage

USA suitcase
(possibly different content)

2 Parker Serviceman Plus

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	Order designation	
Scope of delivery	**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 sensor 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					

2 Parker Serviceman Plus

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