



## The Parker Service Master COMPACT

Compact robust design. Practical. Easy to use.



ENGINEERING YOUR SUCCESS.

# The Parker Service Master COMPACT

The perfect blend of advanced features, robustness, and affordability without any compromises.

The Parker Service Master COMPACT is a versatile, innovative device ideal for service applications in sectors like construction, agriculture, railway, and defence. It provides real-time monitoring and diagnostics of key parameters such as pressure, temperature, and flow rate, enabling proactive issue detection.

Housed in a robust IP65 casing with a 4.3" touch screen, it allows on-site initial analyses and swift rectification of machine defects. The device, available in three versions, is compatible with various Parker sensors and comes with complimentary SensoWin 7 software for easy data upload and documentation.

Despite its advanced features, it's user-friendly, cost-effective, and designed for technicians of all experience levels, enhancing efficiency and productivity. Its compact, lightweight design makes it ideal for transportation and use in different locations.



## Application

- Mobile equipment
- Industrial hydraulic systems
- Fluid or gas maintenance and trouble shooting
- System performance optimization
- System validation
- Test equipment and technology



## Markets

- Maintenance and Repair, MRO
- Mobile
- Agriculture
- Construction
- Transportation
- Defence
- Industrial
- Molding
- Testing



# The Parker Service Master COMPACT

## Features

Automatic sensor recognition, simply plug in and start measuring

USB interface to PC for online measurement or convenient analysis and documentation via SensoWin software

Practical storage concept with integrated portable USB stick

Power supply via standard USB C PD charger



Start/Stop measurement with automatic data compression or manual adjustment of storage time and rate

Screen shots at push of a button

Curve graph or numeric display

Measure and display up to 16 channels

Additional tactile keyboard for operation even under difficult conditions

Robust design with oil-resistant rubber protection for use under harsh conditions

Pressure, temperature, flow, rpm and frequency, etc. – everything is measured, saved, monitored and analyzed

4,3" touch display and plain text navigation for easy operation, suitable for use with gloves

# The Parker Service Master COMPACT

## Configurations

The Parker Service Master COMPACT is available in three different versions and therefore offers a wide range of options for different sensor types and configurations.



SCM-370-0-02 for 4 Parker analogue sensors with automatic sensor recognition and 2 auxiliary analogue sensors.



SCM-370-1-05 for 6 Parker CAN sensors with automatic sensor recognition and 2 auxiliary analogue sensors.



SCM-370-2-05 for 6 Parker CAN sensors with automatic sensor recognition.

# Specifications

## The Parker Service Master COMPACT

### Input/Output

Sensor Input CAN (only SCM-370-1-05 and SCM-370-2-05)	1 CAN interface for max. 6 Parker CAN sensors with sensor recognition Internal terminating resistor Connector: 5-pin, M12x1 built-in plug (male) Sample rate: up to 4 sensors 1 ms, 5 or 6 sensors 2 ms
Sensor inputs analogue with sensor recognition (only SCM-370-0-02)	4 sensor inputs (up to 8 analogue measurement channels) with sensor recognition (p/T/Q/n) for Parker diagnostic sensors Connector: 5-pin, push-pull, combination panel plug/socket Sample rate: 1 ms = 1,000 measured values/sec. Accuracy: 0.1% FS
Inputs for auxilliary sensors	1 connection with 2 inputs (analogue) for measuring current and voltage Voltage measuring range: -10...+10 VDC Current measuring range: 0/4...20 mA Supply ext. sensors: 24 VDC +/-5%, max. 100 mA (for both inputs) Connector: M12x1, 5 pin socket Sample rate: 1 ms = 1,000 measured values/s, FAST MODE 0.1 ms = 10,000 measured values/s
Touch-Display	4.3", 800 x 480 pixels, brightness: 700 cd., glove operation possible

### Calculation channels

Quantity Functions	2 Subtraction, addition, multiplication, power, volume
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### Interfaces/power supply

USB-C (communication and power supply)	according to IEC 62680-1-3, USB PD 3.0, 5 V, 12 V, 20 V, Current consumption max. 2.5 A at 5 V, 1.8 A at 12 V, 1.2 A at 20 V, For fast charging, a USB-C compatible charger with at least 45 W is required, alternatively via USB-A/C cable (included in delivery) 5 V max. 2 A
USB-A (Host)	USB 2.0, full speed, 12 Mbit/s max. storage size 128 GB

### Ambient Conditions

Ambient Temperature	-20...+50 °C
Storage Temperature	-30...+80 °C
Rel. Humidity	max. 95 % not condensing
Environmental impact test	Drop test 1m (EN 60068-2-31:2008)
Vibration	DIN EN 60068-2-6:2008-10
Protection Class	IP 65 (EN 60529:1989 +A1:1999 + A2:2013)

### Rechargeable Battery

Lithium-Ion-Pack	7.2 V / 3500 mAh / 25.44 Wh
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### Material

Housing	ABS/PC
Housing seal	TPE
Protective cover	TPE
Dimensions (W x H x D)	215 x 60 x 154 mm
Weight	approx 850 g
VESA- Connection	75 x 75 mm

# Scope of delivery

## The Parker Service Master COMPACT

<b>Device (incl. Nano USB-Stick, USB charging und connection cable 1m USB A auf C)</b>	
Analogue AUX device (4 Inputs for Parker analogue sensors + 2 inputs for standard industrial sensors)	SCM-370-0-02
CAN AUX device (interface for up to 6 Parker CAN sensors + 2 inputs for standard industrial sensors)	SCM-370-1-05
CAN device (interface for up to 6 Parker CAN sensors)	SCM-370-2-05
Analogue AUX device calibrated	K-SCM-370-0-02
CAN AUX device calibrated	K-SCM-370-1-05

<b>Spare parts and accessories</b>	
Power supply with quick charging function (66 W) incl. USB cable (C to C) and country adapter (EUR/UK/US/AUS)	SCSN-445
Car charging adapter 12/24 VDC with USB-C-port	SCNA-USB-C-CAR
USB connection cable 1m (USB A - USB C)	SCK-USB-A-C
USB connection cable 1 m (for charging and connection)	SCK-USB-C-C
Nano USB stick 4 GB	SC-USB-MINISTICK
M12x1 connector for auxilliary sensor input	SCK-401-4M
Screen protection glass (1 pcs)	SCM-370-DISPRO
Touchpen	SC-TOUCHPEN
Equipment case	SCC-200
Equipment case for outdoor use	SCC-370
Rubber protection + stand	SCM-370-RUBBER
Protective cap set (set with caps for all versions)	SCM-370-CAPS
Replacement battery for SCM 370	SC-BAT-370

# Scope of delivery

## The Parker Service Master COMPACT

The Parker Service Master COMPACT Kits	SCKIT-370-0-02	SCKIT-370-1-05	SCKIT-370-2-05	SCKIT-370-0-PTQ
The Parker Service Master COMPACT Kit with calibration certificate according to ISO 9001	K-SCKIT-370-0-02	K-SCKIT-370-1-05		K-SCKIT-370-0-PTQ
Equipment Case	SCC-200	SCC-200	SCC-200	SCC-370
The Parker Service Master COMPACT (incl. Nano USB-Stick, USB charging und connection cable 1m, without power supply)	SCM-370-0-02	SCM-370-1-05	SCM-370-2-05	SCM-370-0-02
Power supply with quick charging function SCSN-445	1	1	1	1
Pressure/temperature sensor 0...600 bar SCPT-600-02-02				2
Temperature sensor SCT-190-00-02				1
Turbine flow meter SCFT-150-DRV				1
Connection cable analogue SCK-102-3-02	2			2
Connection cable analogue SCK-102-5-02	2			2
M12x1 connector for auxilliary sensor connection SCK-401-4M	1	1		1
CAN connection cable SCK-401-02-4F-4M		2	2	
CAN connection cable SCK-401-05-4F-4M		2	2	
Y-junction CAN SCK-401-0.3-Y		1	1	
CAN terminating resistor SCK-401-R		1	1	
EMA adapter SCA-EMA-3/3	2	2	2	2
Measuring hose SMA3-1500CF	2	2	2	2

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