Pressure measurement SCP CAN

- Low height
- Robust stainless steel design
- Response times of 1 ms
- Capturing of pressure peaks
- Accuracy ±0.5 %
- Quick-plug-screw connection SPEEDCON®
- Sensor identification LED
- Suitable for long cables

All the advantages of the analogue SCP sensors are combined with state-of-the-art CAN bus technology. Simple wiring with the SPEEDCON® quick-plug-screw connection. Plug-&-Play functionality cuts configuration effort.

All pressure sensors are delivered with a diagnosis adapter (M16x2) installed. Fast and safe connection to the hydraulic system is ensured. Installation times are reduced.

Pressure measurement	
-1 ... 016 bar	Pneumatics/ low pressure
0 ... 060 bar	Medium pressure
0 ... 160 bar	Medium pressure
0 ... 400 bar	Operating pressure hydraulics
0 ... 600 bar	High pressure
0 ... 1,000 bar	High pressure peaks

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9 Pressure measurement SCP CAN

Function specifications

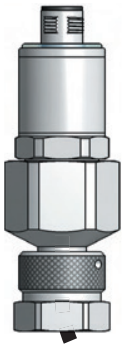
The Parker Service Master *Plus*
SCM-500-xx-xx

Connection cable
SCK-401-02-4F-4M

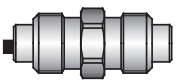
Connection cable
SCK-401-02-4F-4M

Parker Serviceman
Plus SCM-155-2-05

Terminating
resistor
SCK-401-R

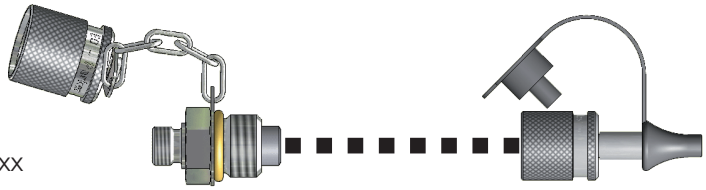


Pressure sensor
SCP-xxx-C4-05



Adapter SCA-EMA-3/3

Test hose
SMA3-xxx



Adapter EMA-3/xxx

Pressure meter SCP
There is a selection of different measuring ranges for measuring pressure. Sensors are available for pneumatic applications and also for measuring pressure peaks up to 1,000 bar.

Diagnostic adapter
All pressure sensors are delivered with an SCA-1/4-EMA-3 diagnostic adapter installed.
The pressure sensors can be adapted to all standard measuring connections. They are ideal for quick and flexible diagnostic in hydraulic applications.

Technical data

Type	SCP-016	SCP-060	SCP-160	SCP-400	SCP-600	SCP-1000
Measuring range (bar)	-1…016	0…060	0...160	0...400	0...600	0...1,000*
Overload pressure Pmax (bar)	32	120	320	800	1,000	1,000
Burst pressure (bar)	160	550	1,000	1,700	2,000	2,000
*PN of up to 630 bar, for pressure peaks of up to 1,000 bar						

Accuracy	
Accuracy FS	± 0.5 % + 0.2 %/year
Response time	1 ms
Connections	
Electrical connection	M12, 5 pin
Process connection	1/4“ BSPP
Material	
Housing	Stainless steel
Seal	FKM
Weight	approx. 195 g
Type of protection	IP67 EN 60529

Ambient conditions	
Ambient temperature (°C)	-25…+85
Storage temperature (°C)	-25...+85
Media temperature (°C)	-25...+105
Reliability cycles	100 million
Shock load	50 g/11 ms IEC 60068-2-27
Vibration resistance	20 g IEC 60068-2-6

Supply range and accessories

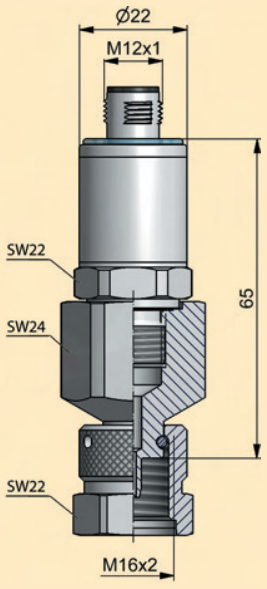
SCP pressure sensor CAN 1/4" BSPP male incl. adapter SCA-1/4-EMA-3	Order code
-1...016 bar/0...060 bar/0...160 bar/0...400 bar/ 0...600 bar/0...1,000 bar	SCP-xxx-C4-05

SCP pressure sensor CAN 1/4" BSPP male incl. adapter SCA-1/4-PQC	Order code
-1...016 bar/0...060 bar/0...160 bar/0...400 bar/0...600 bar	SCP-xxx-C4-05-PQC

SCK connection cables CAN*	Order code
0.5 m (male 5 pin - female 5 pin)	SCK-401-0.5-4F-4M
2 m (male 5 pin - female 5 pin)	SCK-401-02-4F-4M
5 m (male 5 pin - female 5 pin)	SCK-401-05-4F-4M
10 m (male 5 pin - female 5 pin)	SCK-401-10-4F-4M
20 m (male 5 pin - female 5 pin)	SCK-401-20-4F-4M
CAN Y-junction	SCK-401-Y
CAN Y-junction incl. 0.3-m cable	SCK-401-0.3-Y
CAN T-junction	SCK-401-T
Terminating resistor** CAN (female 5 pin - female 5 pin)	SCK-401-R

* Other lengths available on request
** Each CAN network requires a terminating resistor.

SCP pressure sensor CAN with calibration certificate as per ISO 9001	Order code
SCP pressure sensor CAN incl. adapter SCA-1/4-EMA-3	K-SCP-xxx-C4-05
SCP pressure sensor CAN incl. adapter SCA-1/4-PQC	K-SCP-xxx-C4-05-PQC



SCP-xxx-C4-05