

8 Pressure measurement SCP analogue

Pressure meter SCP analogue

- Low height
- Robust stainless steel design
- Response times of 1 ms
- Capturing of pressure peaks
- Accuracy $\pm 0.5\%$



Fast response times guarantee the safe capture of pressure peaks in hydraulic systems. The robust stainless steel design allows a variety of applications, for example cooling water or pneumatics.

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 measurements	
-1... 015 bar	Pneumatics/low pressure
0 ... 060 bar	Medium pressure
0 ... 150 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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Function specifications



The Parker Service Master *Plus*
SCM-500-01-xx or
The Parker Service Master *Easy*
SCM-330/340



Parker Serviceman
Plus SCM-155-0-02

Connection cable
SCK-102-03-02

Connection cable
SCK-102-03-02

Pressure sensor
SCP-xxx-74-02

Adapter SCA-EMA-3/3

Test hose
SMA3-xxx

Adapter EMA-3/xxx

SCP pressure measurement

There is a selection of different measuring ranges for measuring pressure. Sensors can be used for pneumatic applications and also for measuring pressure peaks of up to 1,000 bar.

Diagnostic adapter

All pressure sensors are provided with a 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.

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Technical data

Type	SCP-015	SCP-060	SCP-150	SCP-400	SCP-600	SCP-1000
Measuring range (bar)	-1...015	0...060	0...150	0...400	0...600	0...1,000*
Overload pressure P _{max} (bar)	40	200	500	800	1,000	1,000
Burst pressure (bar)	60	1,000	2,000	2,000	2,000	2,000

*P_N of up to 630 bar, for pressure peaks of up to 1,000 bar

Accuracy		Ambient conditions	
Accuracy FS	± 0.5 % + 0.2 %/year	Ambient temperature (°C)	-25...+85
Response time	1 ms	Storage temperature (°C)	-20...+85
Connections		Media temperature (°C)	-25...+105
Electrical connection	5-pin connector	Reliability cycles	100 million
Process connection	1/4" BSPP	Shock load	50 g/11 ms IEC 60068-2-27
Material		Vibration resistance	20 g as per IEC 60068-2-6
Housing	Stainless steel		
Seal	FKM		
Weight	approx. 200 g		
Type of protection	IP54 EN 60529		

Supply range and accessories

SCP pressure sensor 1/4" BSPP male incl. adapter SCA-1/4-EMA-3 -1...015 bar/0...060 bar/0...150 bar/ 0...400 bar/0...600 bar/0...1,000 bar	Order code SCP-xxx-74-02
SCP pressure sensor 1/4" BSPP male incl. adapter SCA-1/4-PQC -1...015 bar/0...060 bar/0...150 bar/ 0...400 bar/0...600 bar	Order code SCP-xxx-74-02-PQC
SCK analogue connection cable 3 m (male 5 pin - male 5 pin) 5-m extension cable (male 5 pin - female 5 pin)	Order code SCK-102-03-02 SCK-102-05-12
SCP pressure sensor with calibration certificate as per ISO 9001 SCP pressure sensor incl. adapter SCA-1/4-EMA-3 SCP pressure sensor incl. adapter SCA-1/4-PQC	Order code K-SCP-xxx-74-02 K-SCP-xxx-74-02-PQC

