

- Robust stainless steel design
- Response times of 1 ms
- Capturing of pressure peaks
- Accuracy $\pm 0,25\%$ typ.
- Flexible operation
- SCPT series



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

All pressure sensors are delivered with a diagnosis adapter (M16x2) installed. Connection to the hydraulic system takes place quickly and safely. Times for installation 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
Temperature measurements	
-25...+105 °C	Oil temperature



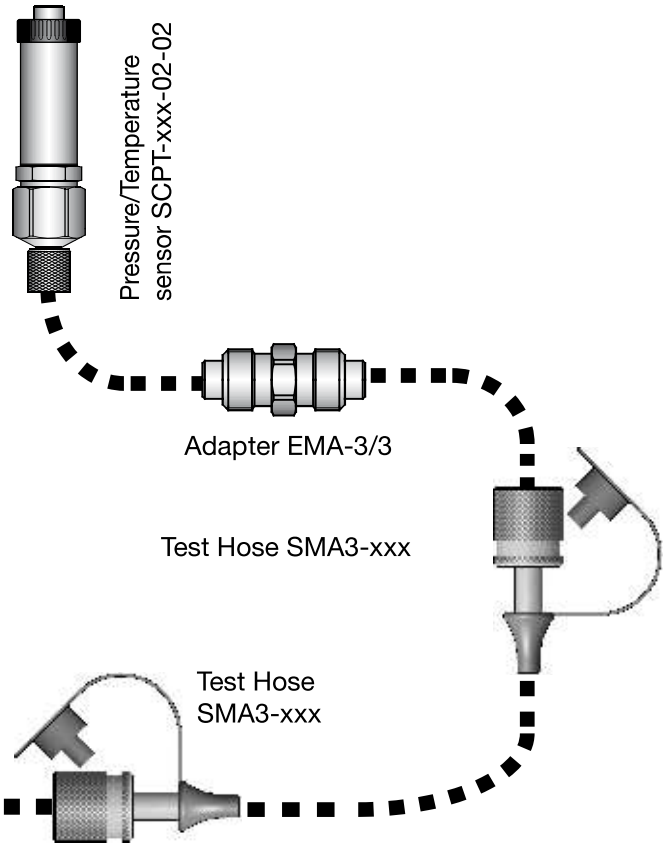
The Parker Service Master Plus or The Parker Service Master Easy



Serviceman SCM-152-x-02

Connection cable SCK-102-03-02

Connection cable SCK-102-03-02



Pressure/Temperature sensor SCPT-xxx-02-02

Adapter EMA-3/3

Test Hose SMA3-xxx

Test Hose SMA3-xxx

Adapter EMA-3/xxx

Pressure/Temperature measurement SCPT

There is a selection of various measuring ranges for the measuring of pressures. Sensors can be used for pneumatic applications and also for measuring pressure peaks up to 1000 bar. The pressure/temperature sensors of the SCPT series have a temperature channel which is retrieved via the TEMP key.

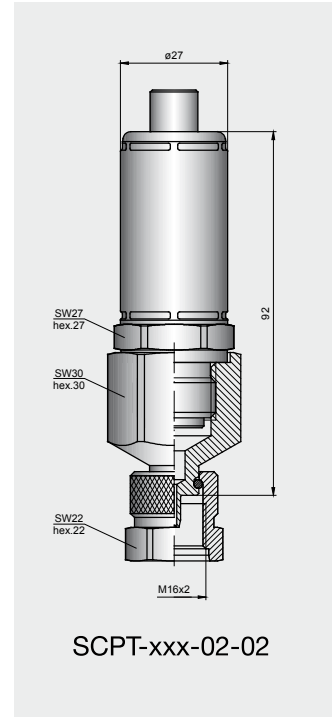
Diagnostic adapters

All pressure sensors in a measurement case (kit) are provided with a factory-assembled SCA-1/2-EMA-3 diagnostic adapter. The pressure sensors can be adapted to all standard measuring connections with the help of diagnostic couplings supplied. They are perfectly suitable for a quick and flexible diagnoses in hydraulic applications.

SCPT Pressure/Temperature Sensor 1/2" BSPP male incl. Adapter SCA-1/2-EMA-3	#
-1...015 bar/0...060 bar/0...150 bar/ 0...400 bar/0...600 bar/0...1.000 bar	SCPT-xxx-02-02

SCPT Pressure/Temperature Sensor 1/2" BSPP male incl. Adapter SCA-1/2-PQC	#
-1...015 bar/0...060 bar/0...150 bar/ 0...400 bar/0...600 bar	SCPT-xxx-02-02-PQC

SCK Connection cable Serviceman/The Parker Service Master Family	#
3 m (male 5 pin - male 5 pin)	SCK-102-03-02
5 m Extension (male 5 pin - female 5 pin)	SCK-102-05-12



#	SCPT-015	SCPT-060	SCPT-150	SCPT-400	SCPT-600	SCPT-1000
Measuring Range (bar)	-1...015	0...060	0...150	0...400	0...600	0...1.000
Overload Pressure P _{max} (bar)	30	120	300	800	1.200	1.200
Burst Pressure (bar)	150	500	900	1.200	1.800	2.500
Temperature Measuring Range (°C) Accuracy (± 1,5 %) FS	-25...+105	-25...+105	-25...+105	-25...+105	-25...+105	-25...+105

FS = Full Scale Range

Accuracy	typ. ±0,25 % max. ±0,5 % + 0,2 %/year
Response Time (ms)	1
Electrical connection	5 pin connector
Pressure Port	1/2" BSPP
Housing	Stainless Steel 1.4301
Weight (g)	200

Seal	FKM
Ambient Temperature Range (°C)	-25...+80
Storage Temperature Range (°C)	-20...+80
T _{max} Fluid (°C)	+105
Reliability Cycles (10 ⁶)	100
Shock Load	IEC 68-2-29