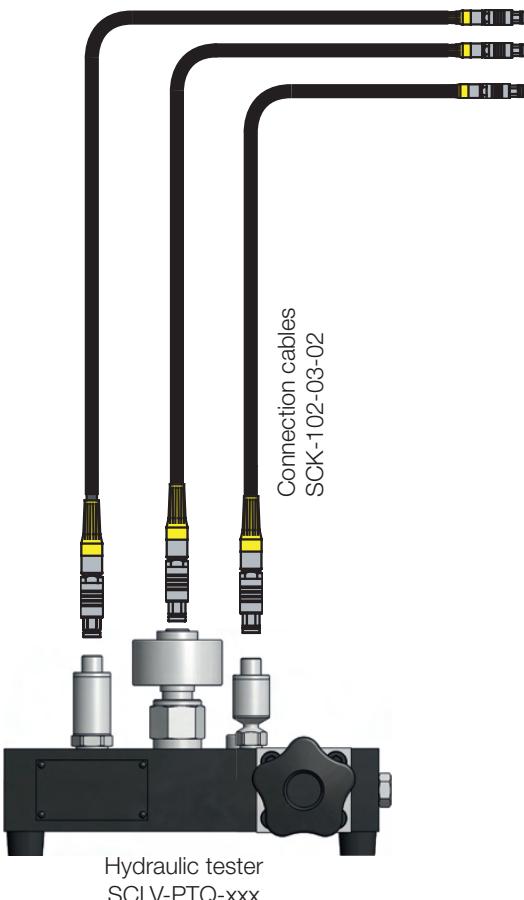


## 17 Hydraulic testers SCLV analogue and CAN

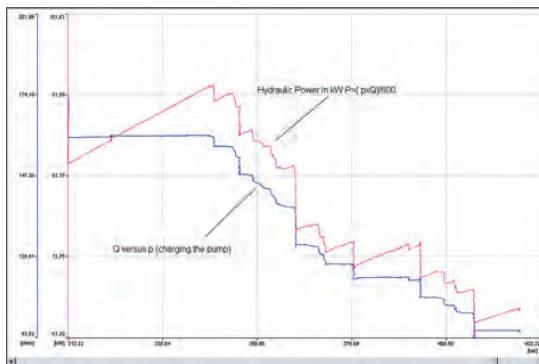
### Function specifications



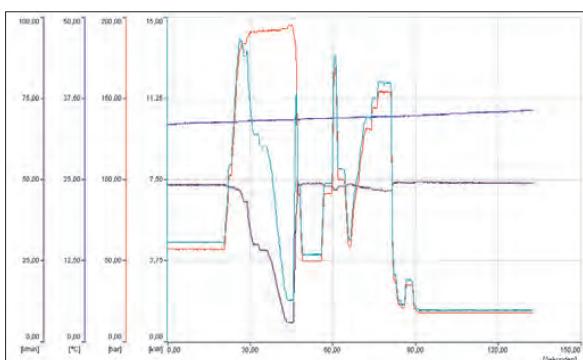
Sensors



Pressure, volume flow and temperature measurement with the Parker Serviceman Plus, The Parker Service Master *Easy* SCM-330/340 or Service Master *Plus* SCM-500-01-xx and the HydraulicTester SCLV-PTQ



The p-Q diagram (right) shows the power determined. Especially in hydraulic pump (load sensing) systems, this analysis is necessary for rotational-speed-dependent loads. The evaluation with the PC software **SensoWin®** is quick and easy.



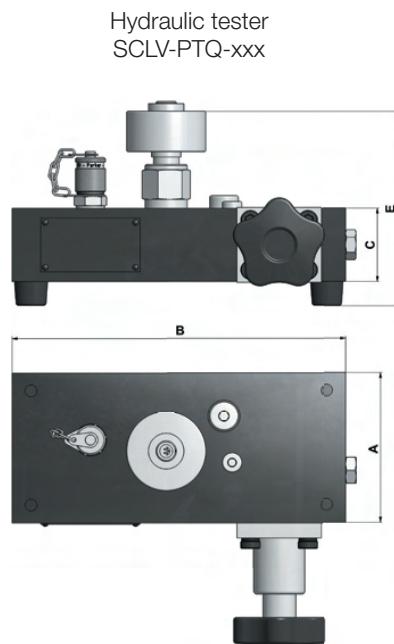
The hydraulic power of a system can be analysed by a combined measurement of pressure and volume flow (left).

The graph shows an application with a hydraulic tester SCLV-PTQ. Pressure is generated in the system with the installed pressure load valve.

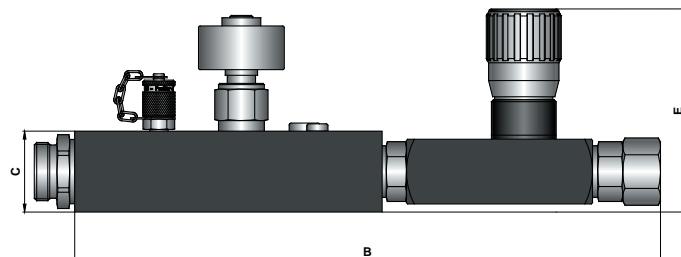
In the evaluation, power is calculated from the flow volume and pressure of the pump.

## 17 Hydraulic testers SCLV analogue and CAN

### Technical data



Turbine flow meter incl. throttle check valve  
SCFT-150-DRV



Type	SCFT-150-DRV	SCLV-PTQ-300	SCLV-PTQ-750
A	62	98	117
B	370	222	235
C	50	50	75
E	130	135	150

Type	SCFT-150-DRV	SCLV-PTQ-300	SCLV-PTQ-750
Flow range $Q_N$ (l/min)	6...150	10...300	20...750
Accuracy ( $\pm$ %) IR** @ 21cSt.	1.0	1.0 (> 20 l/min)	1.0 (> 25 l/min)
Operating pressure PN (bar)	350	350	400
Safety shut-off (Blow-out disc)	–	420 bar	480 bar
Ports (A - B)	3/4" BSPP	1" BSPP	1-7/8" UNF
Pressure drop $\Delta P_{max}$ (bar) @ (FS*) 21cSt.	15	4	5
Weight (kg)	4.2	5.5	8.9

\* FS = Full Scale (measuring range end value)  
\*\* IR = Indicated Reading (measured value displayed)

<b>Response time</b>	50 ms
<b>Accuracy of temperature measurement only with CAN</b>	$\pm 2 K$
$Q_{max}$	$Q_N \times 1.1$ l/min
<b>Overload pressure <math>P_{max}</math></b>	$P_N \times 1.2$ bar
<b>Ports:</b> <b>Temperature port (SCT-190)</b>	M10x1
<b>Pressure port (EMA3 port)</b>	M16x2
<b>Pressure port (VSTI)</b>	1/4" BSPP
<b>Housing</b>	Aluminium
<b>Seal</b>	FKM
<b>Parts in contact with media</b>	Aluminium, steel, FKM

<b>Ambient temperature (°C)</b>	-10...+50
<b>Storage temperature (°C)</b>	-20...+80
<b>Media temperature (°C)</b>	-20...+90
<b>Filtration (µm)</b>	25 µm
<b>Viscosity range (cSt.)</b> (calibrated at 21 cSt., other viscosities on request)	10..100



# 17 Hydraulic testers SCLV analogue and CAN

## Supply range and accessories

SCLV-PTQ hydraulic tester with pressure load valve	Order code
10...300 l/min, $P_{max}$ = 420 bar	SCLV-PTQ-300
10...300 l/min, $P_{max}$ = 420 bar, with CAN bus connection	SCLVT-PTQ-300-C2-05
20...750 l/min, $P_{max}$ = 480 bar	SCLV-PTQ-750
20...750 l/min, $P_{max}$ = 480 bar, with CAN bus connection	SCLVT-PTQ-750-C2-05
SCLV-PTQ blow-out discs	Order code
for 10...300 l/min, $P_{max}$ = 420 bar (4 blow-out discs)	SCLV-DISC-300
for 20...750 l/min, $P_{max}$ = 480 bar (4 blow-out discs)	SCLV-DISC-800
SCFT turbine flow meter incl. throttle check valve	Order code
6...150 l/min, $P_{max}$ = 400 bar	SCFT-150-DRV
6...150 l/min, $P_{max}$ = 400 bar, with CAN bus connection	SCFTT-150-DRV-C2-05
SCK analogue connection cables	Order code
3 m (male 5 pin - male 5 pin)	SCK-102-03-02
5 m (male 5 pin - male 5 pin)	SCK-102-05-02
5-m extension cable (male 5 pin - female 5 pin)	SCK-102-05-12
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

Sensors

