

# 14 Tachometer SCRPM analogue

## Tachometer SCRPM analogue

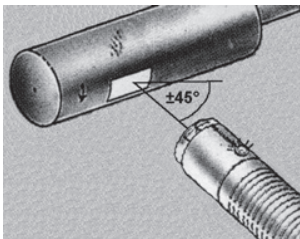
- Also for contactless measurement of rotational speed
- Measures up to 10,000 RPM
- With 3-meter fixed cable



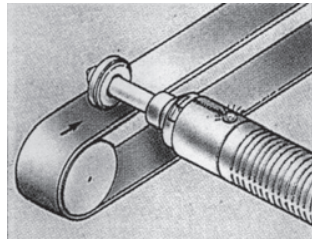
Rotational-speed-dependent data, such as flowrate from variable pumps, are determined ideally in combination with the pressure and volume flow measurement of a hydraulic drive.

Contactless speed measurement (opto-electronic principle) can be done quickly and easily.

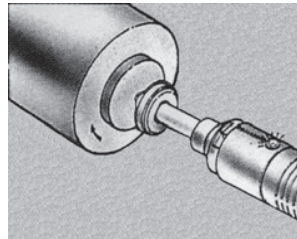
The rotational speed is measured e.g. on a drive shaft and displayed on the handheld device. Installation or adjustment are not necessary.



Rotating shaft - non-contact measurement of rotational speed.



Contact measurement of rotational speed with contact adapter.



Front-face measurement of rotational speed with contact adapter.

For accurate recording of the opto-electronic signal, please use the reflecting strips supplied.

On a shaft or drive unit, the rotational speed is measured directly with the contact adapter.

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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

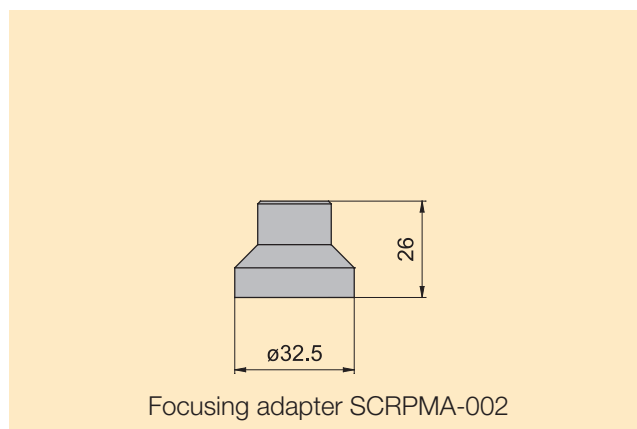
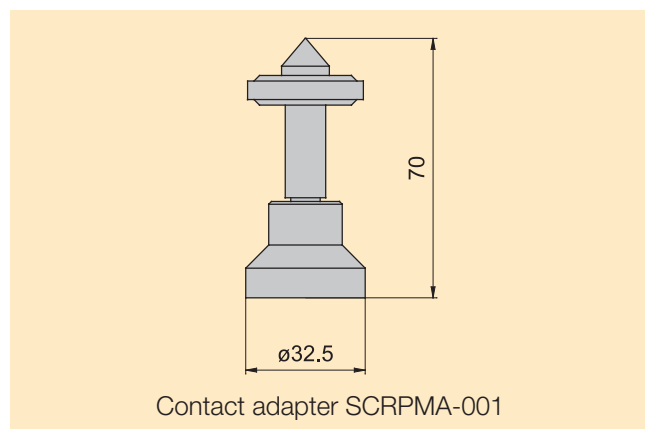
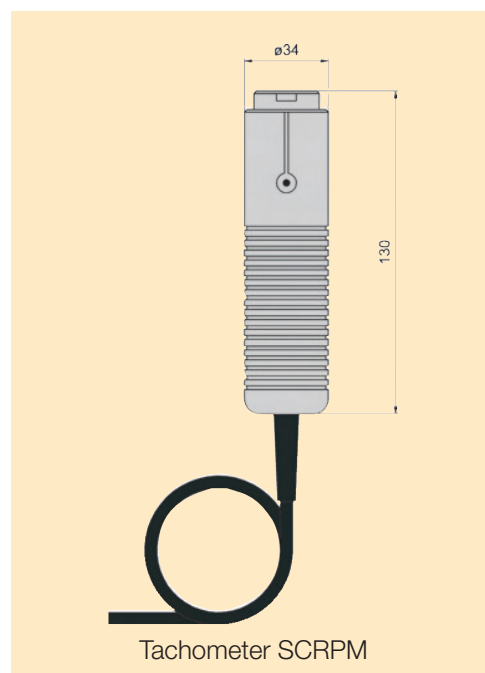


Tachometer SCRPM-220

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## Technical data

Input	
Measuring distance	25...500 mm
Measuring angle	± 45°
Type of measuring	optical, red LED
Output	
Measuring range	20...10.000 RPM
Accuracy	< 0.5 % FS*
Resolution	± 5 RPM
Electrical connection to hand-held measuring device	
Fixed cable 3 m**	5 pin push-pull
General	
Material	ABS
Dimensions	Ø 34 mm/L = 130 mm
Weight	230 g
Ambient temperature	0...70 °C
* FS = Full scale (measuring range end value)	
** Cable extension is not permitted	



## Supply range and accessories

SCRPM tachometer	Order code
20...10,000 RPM	SCRPM-220
SCRPM accessories	Order code
Contact adapter	SCRPMA-001
Focusing adapter	SCRPMA-002
Reflector strips (spares)	SCRPMA-010
SCRPM tachometer with calibration certificate as per ISO 9001	Order code
20...10,000 RPM	K-SCRPM-220

# Volume flow measurement

## Volume flow measurement

### Turbine flow meter, type SCFT

- Lower flow resistance
- Built-in measurement connections for pressure and temperature
- Very simple installation into a hydraulic system
- 6 different measuring ranges up to 750 l/min.

### Hydraulic tester SCLV

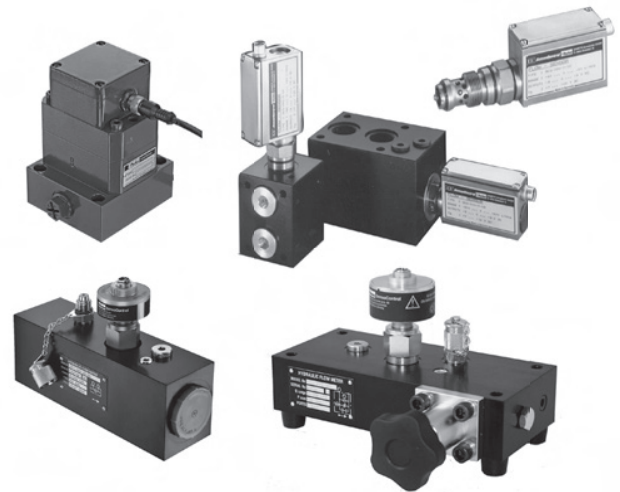
- Recording of a p/Q characteristic curve with a pressure load valve to determine hydraulic performance
- Resistant to high pressure of up to 480 bar
- 2 measuring ranges of up to 750 l/min
- Integrated overload protection
- Reverse-mode operation

### Flow meter, type SCQ

- Flow measurement with direction indication
- Very fast response time < 2 ms
- Wide range of viscosities
- Screw-in cartridge in connector block SCAQ

### Volume meter, type SCVF

- 4 measuring ranges of up to 300 l/min
- Measuring accuracy  $\pm 0.5$  % FS
- Pressure resistant up to 400 bar
- High viscosity range
- Low noise level



In addition to pressure measurement, the precise determination of volume flow in hydraulic equipment provides important information on the condition of the hydraulics. The efficiency of hydraulic drives such as hydrostatic units or variable pumps depends on the volume of flow. Hydraulic performance is determined by pressure and volume flow. The degree of wear in a hydraulic drive can be ascertained by comparing nominal and actual values. The resulting measurements can be used, for example, in preventive maintenance for systematic servicing and cost reductions. In mobile hydraulics, the efficiency of the machine is continually checked and documented. The diagnosis of pressure and flow thereby provides a total analysis.