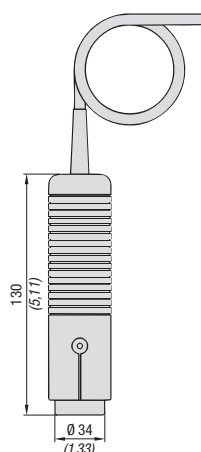
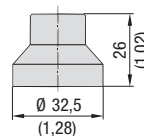


Rotational Speed Sensor ■ Type Sensor-PPC-04/12-SDS-CAB

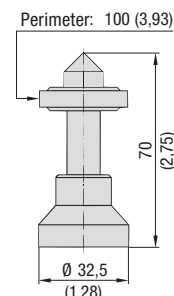
B



Sensor-PPC-04/12-SDS-CAB



Adaptor-PPC-04/12-SFA-Focus



Adaptor-PPC-04/12-SKA-Contact

Product Description

The Sensor-PPC-04/12-SDS-CAB Rotational Speed Sensor allows non-contact speed measurement of rotating components. The sensor is based on an opto-electrical measurement principle that determines the rotational speed with high-accuracy using a reflecting strip on the shaft.

The contact rotational speed measurement is obtained by using a Contact Adaptor that is mounted to the sensor, and which makes contact with the rotating component during measurement.

This also produces high-accuracy measurement results. In the case of especially small areas, using the focusing adaptor facilities measurement.

Note: The analogue Rotational Speed Sensor-PPC-04/12-SDS-CAB can only be used with analogue Hydraulic Testers.

Technical Data

- Material: ABS
- Weight: 230 g / .51 lbs
- 5-pin connection
- Both contacting and non-contacting measurement possible
- Type of measurement: optical, red LED

Ambient Conditions

- Ambient temperature: 0°C ... +70°C / +32°F ... +158°F
- Rel. humidity: < 80%

Measuring Range

- Measuring range: 20 ... 10000 1/min
- Measuring distance: 25 ... 500 mm (1 ... 20 in)
- Measuring angle: ±45 °C
- Accuracy: ≤ ±0,5 % FS*
- Resolution: ±5 1/min

Electrical Data

- Output signal: 0 ... 3 V DC
- Input signal: 7 ...12 V DC

Note: We recommended not extending the 3 m / 9.84 ft permanent cable connection provided on the sensor!

Order Codes

Sensor-PPC-04/12-SDS-CAB - CAL

①

②

① Series and Type

Rotational Speed Sensor

Sensor-PPC-04/12-SDS-CAB

② Calibration

Without calibration certificate

(none)

With calibration certificate (factory calibration)

CAL

Order Codes

Focus Adaptor

Adaptor-PPC-04/12-SFA-focus

①

① Series and Type

Focus Adaptor

Adaptor-PPC-04/12-SFA-focus

Contact Adaptor

Adaptor-PPC-04/12-SKA-contact

①

① Series and Type

Contact Adaptor

Adaptor-PPC-04/12-SKA-contact

Applications Examples

Fig. 1 -

Contacting rotational speed measurement with the contact adaptor

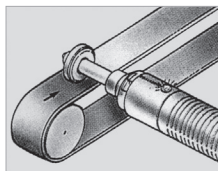


Fig. 2 -

End face rotational speed measurement with the contact adaptor

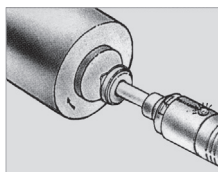
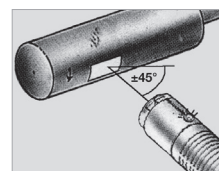


Fig. 3 -

Rotating shaft / non-contacting rotational speed measurement using the focusing adaptor and marking strip



Dimensional drawings: All dimensions in mm (in).