

EXTERNAL SENSORS FOR 5 DIGIT HAND TACHOMETERS

8810.001 OPTICAL SENSOR

Modulated infrared ray system optical detector.

A strip of reflective paper on the rotating part is needed to get the r.p.m. measurement.

Measuring range: from 2.0 to 100,000 r.p.m.
 Reflection range: from 10 to 300mm
 Dimensions: Chromed brass casing M27x73mm
 Cable length: 3m (standard), optional up to 30m max.
 Standard accessories: set of 5 reflective adhesive strips

8810.001 Optical sensor - temp.range 0 to +45°C
8810.002 Optical sensor - temp.range -20 to +70°C
7817.006 Spare 5 self-adhesive reflecting tabs
9994.854 Optional cable (exceeding the 3m standard)

8830.001 CONTACT SENSOR

For rotation and linear speed measurement, connect to the rotating part for rotation measurement or apply the calibrated wheel for linear speed measurement.

Measuring range: from 0.2 to 30,000 r.p.m.
 from 0.02 to 3000 m/min
 Operating temperature: from 0 to +45°C
 Dimensions: Chromed brass casing M27x93mm
 Cable length: 3m (standard), optional up to 30m max.
 Standard accessories: Set of 3 hard rubber tips.
 Rubber wheel to measure m/min and feet/min.

8830.001 Contact sensor (3m cable)
9994.854 Optional cable (exceeding the 3m standard)
7608.009 Set of 7 spare rubber tips
7608.010 Spare surface wheel

8810.010 PROXIMITY

Proximity magnetical sensor for rotational speed measurements in dusty environments.

Needs only one reference per round.

Measuring range: from 2.0 to 100,000 r.p.m.
 Operating temperature: from 0 to +60°C
 Dimensions: Chromed brass casing M12x36mm
 Cable length: 3m (standard), optional up to 10m max.
 Sensitivity: 2mm (typical 1mm)

8810.010 Proximity sensor (3m cable)
9994.854 Optional cable (exceeding the 3m standard)



5 DIGIT MECHA-OPTO HAND TACHOMETER



9803.001 - 5 DIGIT MECHA-OPTO

DIGITAKER 9803.001 is a microprocessor based digital tachometer with quartz crystal oscillator to maintain high accuracy. It has a mechanical contact assembly at the top of the unit and an integrated infrared transmitter and receiver at the base of the unit.

The 5-digit LED automatically inverts when switched from contact to optical so that the display is always the right way up when viewed.

For optical reading, a reflective adhesive tab is applied on the rotating part.

DIGITAKER has a measuring range from 0.2 to 100,000 r.p.m. with automatic decimal point selection in order to ensure the better reading accuracy degree.

TOTALIZING function allows to count the incoming pulses.

A calibrated rubber wheel is provided for linear speed measurement directly in m/min or feet/min.

TECHNICAL FEATURES

Readout: 5 digit ultrabright LED displays
 Accuracy: $\pm 0,1$ r.p.m. up to 999.9 r.p.m.
 $\pm 0.005\%$ from 1000 to 100,000 r.p.m.
 Power supply: 4 batteries UM3 1,5V
 Operating temperature: from 0 to 45°C
 Dimensions: 180x60mm
 Weight: 0.4Kg
 Measuring range: from 0.2 to 100,000 r.p.m.
 Measuring period: 1 second

Standard accessories:

Plastic case for tachometer and sensors
 Set of 3 hard rubber tips.
 Rubber wheel for measuring m/min and feet/min.
 Set of 5 reflective adhesive strips

9803.001 5 digit mecha-opto hand tachometer
7608.009 Set of 7 spare rubber tips
7608.010 Spare surface wheel
7817.006 Spare 5 self-adhesive reflecting tabs