

REED

Model K4010

Photo-Contact Tachometer



Instruction Manual

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Table of Contents

Features.....	2
Specifications.....	3
Instrument Description	4
Operating Procedures	4-5
<i>Photo Tachometer Measurement</i>	4
<i>Contact RPM Measurement</i>	5
<i>Contact Surface Speed Measurement</i>	5
<i>Memory Call Button Operation</i>	5
Battery Replacement.....	6

Features

- Automatically holds last reading for 5 minutes and recalls minimum and maximum readings
- Characters on the 5-digit display reverse direction depending on which measurement mode you are in
- Microcomputer LSI circuitry provides accuracy to 0.05% and permits readings to a resolution of 0.1 RPM in either photo or contact mode
- ABS plastic housing assures years of maintenance free performance
- Designed to fit comfortably in either hand

For service on this or any other REED product or information on other REED products, contact REED Instruments at info@reedinstruments.com

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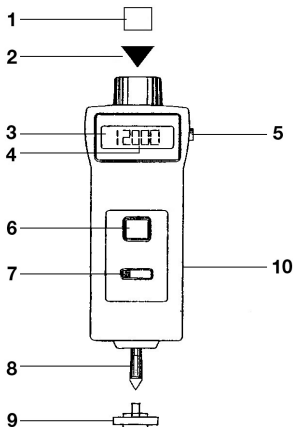
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Specifications

Range:	Photo: 5 to 99,999 tr/min; Contact: 0.5 to 20,000 tr/min; Surface Speed: 0.05 to 1,999.9 mpmin/ 0.2 to 6,560 fpm
Resolution:	0.1rpm < 999.9 tr/min, 1 rpm > 1000rpm; 0.1 mpmin < 99.99 mpmin; 0.1 fpm < 99.99 fpm, 1 fpm >1000 fpm
Accuracy:	±(0.5% + 1 digit)
Sampling Time:	Photo: 1 sec. > 6 rpm; Contact: 1 sec. > 60 tr/min
Detecting Distance:	50 to 150 mm (2" to 6") typically; 300 mm (12") max.
Operating temperature:	0 - 50°C (32 - 122°F)
Display:	5 digit LCD 10 mm high
Power Supply:	(4) 1.5V L "AA" batteries
Dimensions:	215 x 65 x 38 mm (8.5 x 2.6 x 1.5")
Weight:	10.6 oz (300g)
Includes:	3 contact adapters (2 cones, 1 funnel), surface speed wheel, reflective tape, batteries and hard carrying case
Optional accessories:	Replacement Measuring Wheel (AS-35C) Replacement Cone Tip (CONE) Replacement Funnel Tip (FUNNEL) Replacement extension Shaft (EXT-SHAFT) Reflective Tape (RT100)

Instrument Description

1. Reflective mark
2. Signal light beam
3. Monitor indicator
4. Display
5. Measure button
6. Memory call button
7. Function select switch
8. Rotating ring
9. Circumferential speed ring
10. Battery Compartment



Operating Procedures

Photo Tachometer Measurement

1. Slide the **Function** switch to the **RPM (Photo)** position
2. Place the reflective marking (tape) to the object being measured
3. Press the **Measure** button and align the visible light beam with the reflective mark
4. Ensure that the **Monitor** indicator lights when the target passes through the light beam
5. Release the **Measure** button when the reading stabilizes (about 2 seconds)

In order to obtain greater accuracy for measurement of less than 50 RPM, use 2 or 3 pieces of reflective tape and then divide the reading with the number of pieces used to calculate the final figure.

Contact RPM Measurement

1. Slide the **Function** switch to RPM (Contact) position
2. Press the **Measure** button while lightly pressing the rotating device
3. Release the **Measure** button when the reading stabilizes (approx. 2 seconds)

Contact Surface Speed Measurement

1. Slide the **Function** switch to **m/min.** (Surface Speed) or **ft/min.** (Surface Speed)
2. Press the **Measure** button and simply attach the surface speed test wheel to the detector
3. Release the **Measure** button when the reading stabilizes

Memory Call Button Operation

The minimum, maximum and the last (final) readings are automatically stored during measurement. These values can be recalled anytime by pressing the **Memory Call** button. To recall the stored value, follow these procedures:

1. Press the **Memory Call** button once to display the last reading. The symbol "LA" will appear on the display.
2. Press the **Memory Call** button once again to display the maximum value. The symbol "UP" will appear on the display.
3. Press the **Memory Call** button once more to display the minimum value. The symbol "DN" will appear on the display.

