

Table of Contents

Features	2
Specifications	3-4
Instrument Description	4
Operating Instructions	4-5
Battery Replacement	6

Features

- · Dual function unit with both contact and non-contact capabilities
- Provides fast and accurate RPM measurements of rotating objects and surface speed measurements m/min (meter per min) and ft/min (feet per min)
- Internal memory holds last reading for 5 mins and recalls min/max and last value
- LCD Display reverses depending on measurement mode
- Includes reflective tape, large and small cone tip adapters, funnel adapter, wheel adapter, batteries, and hard carrying case





2

Specifications

RPM Range	Photo: 5 to 99,999 Contact: 0.5 to 19,999
Surface Speed Range	0.05 to 1,999.9 m/min 0.2 to 6,560 ft/min
Resolution	Photo: 0.1 RPM (≤999.9) / 1 RPM (≥1000) Contact: 0.1 RPM (≤999.9) / 1 RPM (≥1000) Surface: 0.01 m/min. (≤99.99m/min.) / 0.1 m/min. (≥100.0m/min.) 0.1 ft/min. (≤999.9 ft/min) / 1 ft/min. (≥1000 ft/min)
Accuracy	±(0.05% + 1 digit)
Visible Indicator	Yes (Light)
Optimal Target Distance	2 to 6" (50 to 150mm)
Maximum Target Distance	1.0 ft (300mm)
Response Time	<1 sec
Sampling Time:	Photo: 1 sec (over 60 RPM) Contact: 1 sec (over 6 RPM)
Display Size/Type:	5 Digit LCD Display
Auto shut-off:	Yes
Internal Memory:	Max, Min and Last
Low Battery Indicator:	Yes
Power Supply:	4 x AA Batteries
Product Certifications:	CE
Operating Temperature:	32 to 122°F (0 to 50°C)
Storage Temperature:	-4 to 140°F (-20 to 60°C)
Operating Humidity:	10-80%
Dimensions:	8.5 x 2.6 x 1.5" (215 x 65 x 38 mm)
Weight:	10.6oz (300g)

Note: When using the test wheel, accuracy can be affected 0.5% of reading.



.800.561.8187



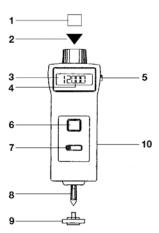
information@itm.con

Optional accessories:

Replacement Measuring Wheel (AS-35C) Replacement Cone Tip (CONE) Replacement Funnel Tip (FUNNEL) Replacement extension Shaft (EXT-SHAFT) Reflective Tape (RT100) Soft Carrying Case (CA-05A) Hard Shell Carrying Case (R9940)

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**





.800.561.8187



Operating Instructions

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



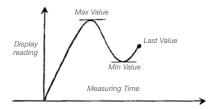


5

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** buttonTo 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.



Battery Replacement

When the left corner of the LCD display shows LO BAT " 2", it indicates the battery output less than 4.5VCC and replacement of the battery is then needed.

- 1. Open the Battery Cover at the back of meter and remove the battery
- 2. Replace with 4 x 1.5 V AA/UM-3 batteries and reinstall the cover

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



