

### Features

- Dual function unit with both contact and non-contact capabilities
- Provides fast and accurate RPM (revolutions per min) measurements of rotating objects and surface speed measurements MPM (meters per min) with included contact adapters
- Built-in Laser pointer identifies target area
- Internal memory recalls maximum, minimum values as well as last value stored
- Large LCD display and low battery indicator
- Includes reflective tape, large and small cone tip adapters, funnel adapter, wheel adapter, batteries, mounting screws, and hard carrying case

### Specification

|                       |   |
|-----------------------|---|
| RPM Range (Contact):  | 0.5 to 19,999   |
| RPM Range (Photo):    | 2.5 to 99,999   |
| Surface Speed Range : | 0.05 to 1,999.9 m/min   |
| Resolution:           | Photo: 0.1 RPM ( $\leq 999.9$ )<br>1 RPM ( $> 1000$ )         |
|                       | Contact: 0.1 RPM ( $\leq 999.9$ )<br>1 RPM ( $> 1000$ )       |
|                       | Surface: 0.01 m/min ( $\leq 99.99$ )<br>0.1 m/min ( $> 100$ ) |
| Basic Accuracy:       | $\pm(0.05\% + 1 \text{ dgt.})$                                |

### General Specifications

|                         |  |
|-------------------------|--|
| Visible Indicator:      | Yes (Laser)                            |
| Target Distance:        | 1.6ft (500mm) (Photo)                  |
| Response Time:          | <1 sec                                 |
| Sampling Time:          | 0.8 sec (over 60 RPM)                  |
| Display Size/Type:      | 5 Digit LCD Display                    |
| Auto Shut Off:          | Yes                                    |
| Internal Memory:        | Max, Min and Last                      |
| Laser Class:            | Class III                              |
| 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:     | 10-90%                                 |
| Dimensions:             | 8.3 x 2.9 x 1.5"<br>(210 x 74 x 37 mm) |
| Weight:                 | 7.9oz (224g)                           |

### TECHNICAL DATA



| Model      | Description                       |
|------------|-----------------------------------|
| R7100      | Photo / Contact Tachometer        |
| R7100-ADP  | Replacement Contact Adapter       |
| ST-WHEEL   | Replacement Measuring Wheel       |
| ST-TIP     | Replacement Cone Tip              |
| ST-TIPL    | Replacement Cone Tip, Large       |
| ST-FUNNEL  | Replacement Funnel Tip            |
| ST-SHAFT   | Replacement Extension Shaft       |
| RT100      | Reflective Tape                   |
| CA-05A     | Soft Carrying Case                |
| C-820      | Soft Carrying Case                |
| R7100-NIST | Photo / Contact Tachometer & NIST |