

# EXTECH<sup>®</sup> INSTRUMENTS Product DATASHEET

## Combination Tachometers

Battery operated non-contact motion and RPM measurements

### Two Models Feature:

- Unique display where characters reverse direction depending on measurement mode you are in
- Large 0.4" 5 digit LCD digital display
- Microprocessor based with quartz crystal oscillator to maintain high accuracy
- Tachometer memory stores last, max and min readings

### Photo/Stroboscope Tachometer (Model 461825) Features:

- Performs Tachometer RPM measurement and Stroboscopic speed and motion analysis
- Stroboscope course and fine flash rate adjustments in three ranges
- Battery operation brings motion analysis to any location
- Complete with four 1.5 volt AA batteries, reflective tape and carrying case

### Photo/Contact Tachometer (Model 461895) Features:

- Provides wide RPM (photo) and Linear Surface Speed (contact) measurements
- Microprocessor precision, Accurate to 0.05%.
- Permits readings to a resolution of 0.1 RPM in either photo or contact mode.
- Complete with wheels for linear surface speed or RPM measurements, four 1.5 volt AA batteries, reflective tape and carrying case.



### Applications:

- Contact RPM Measurements for flywheels, conveyors, pumps and elevators
- Non-Contact RPM measurements for fans, motors and gears

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| Contact/Photo Tachometer (461895) |                                 | Photo/Stroboscope Tachometer (461825) |                                                 |
|-----------------------------------|---------------------------------|---------------------------------------|-------------------------------------------------|
| Photo                             | Contact                         | Photo                                 | Strobe                                          |
| Range - RPM:                      | 5 to 99,999                     | 0.5 to 20,000                         | 5 to 99,999 3 Ranges:<br>100 to 100,000 FPM/RPM |
| Accuracy:                         | 0.05% rdg +1 digit              |                                       | ±(0.1%+2 digits)                                |
| Sampling Time:                    | 1 Sec > 60 RPM                  | 1 Sec > 6 RPM                         | 1 Sec ≥ 60 RPM;                                 |
| Surface Speed:                    |                                 | 0.2 to 6560 Ft/min                    |                                                 |
|                                   | 0.05 to 1999.9m/min             |                                       |                                                 |
| Resolution:                       | 0.1 RPM (< 1,000 RPM)           | 0.1 RPM (< 1,000 RPM)                 | 0.1 FPM (< 1,000 FPM)                           |
| 1 RPM > 1000 RPM                  |                                 | 1 RPM (≥ 1,000 RPM)                   | 1 FPM (≥ 1,000 FPM)                             |
| Power:                            | 4x1.5V AA Batteries             | 4x1.5V AA Batteries                   |                                                 |
| Dimensions:                       | 8.5x2.6x1.5" (215 x 65 x 38 mm) |                                       | 8.5x2.6x1.5" (215 x 65 x 38 mm)                 |
| Weight:                           | 10.6 oz (300 g)                 |                                       | 10.6 oz (300 g)                                 |

### Ordering Information:

- 461825** .....Combination Tachometer/Stroboscope  
**461825-NIST** .....Combination Tachometer/Stroboscope with NIST certificate  
**461895** .....Combination Contact/Photo Tachometer  
**461895-NIST** .....Combination Contact/Photo Tachometer with NIST certificate  
**461937** .....Spare Reflective Tape (23"), 10 pack

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