

Digital Tachometer Counter

Autoranging Combination Tachometer and Counter with RS-232 PC interface and software

Features:

- Wide range from 10.0 to 99,999rpm
- Dual 5 digit LCD for rpm (rev/min) and rps (rev/sec)
- Basic accuracy of for Photo Tachometer (non-contact) $\pm 0.1\%$;
Contact Tachometer (with optional adaptor) $\pm 0.04\%$
- Counter mode used to count units on production lines
- Measurement distance from 2 to 12" for Photo Tachometer
- Maximum/Minimum and Average functions
- Data Hold and Auto-Off features
- Tripod mount for stationary use
- Built-in RS-232 interface for data acquisition and analysis
- Optional Contact Tachometer Adaptor for linear surface measurements of m/min, ft/min, yard/min
- Complete with four 1.5V AA batteries, reflective tape, Windows® 95/98/NT/2000/ME/XP compatible softwares, serial cable, and case.

Applications:

- Non-contact measurements for fans, motors, and gears.
- Contact measurements for belts, flywheels, conveyors, pumps, and elevators/escalators. Counter for production verification.



PC Display



Ordering Information:

461501.....Digital Tachometer Counter
461501-NIST ..Digital Tachometer Counter w/ NIST certificate
461505.....Contact Tachometer Adaptor
461936.....Spare Reflective Tape (23" each roll), 5pks

Specifications	Range	Resolution	Basic Accuracy
Photo Tach (Non-contact)			
rpm (rev/min):	10.000 to 99,999	0.001, 0.01, 0.1, 1	0.1% ± 2 digits
rps (rev/sec, Hz):	0.200 to 2000.0	0.001, 0.01, 0.1	0.1% ± 2 digits
Contact Tach (w/adaptor)			
rpm (rev/min):	10.00 to 29,999	0.001, 0.01, 0.1, 1	0.04% ± 2 digits
m/min:	1.000 to 2999.9	0.0001, 0.001, 0.01, 0.1	0.04% ± 2 digits
ft/min:	3.000 to 10,000	0.0001, 0.001, 0.01, 0.1	0.04% ± 2 digits
yard/min:	1.000 to 3000.0	0.0001, 0.001, 0.01, 0.1	0.04% ± 2 digits
Event Counter:	0 to 99,999		
Max Input Freq.:	10kHz with 5% duty cycle		
Display:	5 digits, 99,999 counts		
Sampling rate:	0.7 second (>60 rpm); >1 second (10 to 60 rpm)		
Time base:	4.000MHz Quartz Crystal Oscillator		
Auto Power Off:	30 minutes		
Power source:	Four 1.5V "AA" batteries		
Dimensions:	6.8 x 2.5 x 1.5" (172 x 63 x 36mm)		
Weight (batteries included):	6.7oz (190g)		