

Non-Contact & Contact TACHOMETER

CDT-2000HD

Measuring Range

Non-Contact: 1.00 - 99,999 rpm Contact: 1.00 - 19,999 rpm

The CHECK•LINE® CDT-2000HD
Combination Hand-Held Digital
Tachometer combines the best
features of both contact and noncontact models to accurately measure
RPM, surface speed and length.

When using the non-contact mode, rotational speed (RPM) is measured using a visible beam of light. The CDT-2000HD can be up to 24 inches away from the small piece of reflective tape that is affixed to the rotating element. In the contact operating mode, the speed is sensed by directly contacting the rotating device using the cone tip or surface speed wheel supplied with the instrument.

The CDT-2000HD's rugged construction, portability and outstanding features make it an ideal choice for maintenance personnel, machine operators or others in a wide variety of machinery and material handling applications.



FEATURES

- ▲ Measures speeds from 1.00 up to 99,999 rpm
- ▲ Accuracy of 0.02% with a resolution up to 0.01 rpm
- ▲ Built-in memory stores maximum, minimum, average and last reading for recall to the display
- ▲ Take accurate measurements from up to 24 inches away from rotating equipment
- NIST Certification included at no additional cost
- ▲ NEW Molded Rubber Shell provides additional physical and environmental protection
- NEW Now includes larger 6 inch circumference Surface Speed Wheel standard
- ▲ NEW Can be set for use with 2 optional-sized surface speed wheels (12 in. or 10 cm circumference)

CDT-2000HD

Data & Specifications

Specifications

Resolution .01 from 0 –100 .1 from 100 – 1,000

1 from 1000 - 99,999

Accuracy ± 0.02% of reading or ±1 digit

5-Digit LCD, 10mm high

Decimal Point Automatic

Memory System Maximum, minimum, average and last reading (retained in memory for

the life of batteries)

Measurement System

Non-Contact Visible LED light beam Contact Contact adapter

Engineering units

RPM RPM

Surface Speed Feet/min, inches/min and

meters/min

Length Feet, inches, meters

Sensing Distance Display Update Time

Auto Power Off

Battery Life

Battery Type

Weight

Housing Material

Operating Temperature Storage Temperature Up to 24 inches (60 cm)

0.5 seconds or one measuring

period

After 30 seconds of non-use (minimum, maximum average, and last reading retained in memory)

40 hours continuous use (approx.)

with alkaline batteries

2 AA (1.5 V) or rechargeable

6 ounces (170 grams)

ABS Plastic

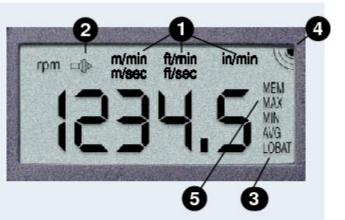
32 to 122° F (0 to 50° C) -4 to 158° F (-20 to 70° C)

Optical	1 – 99,999 rpm		
Mechanical	1 – 99,999 rpm		
leasuring Ranges -	- speed		
Wheel Size	6"	12"	0.1 m
m/min	0.10-1524	0.40-609.6	0.10-1999
ft/min	0.40-5000	0.40-2000	0.40-6550
in/min	4.0-60.00	4.00-24.000	4.00-78.700
m/sec	0.10-25.40	0.10-10.16	0.10-33.30
ft/sec	0.10-83.33	0.10-33.33	0.10-109

1. Units of Measure Indicators show the user-selected units of measure.

Measuring Ranges – length

- Contact Indicator shows if contact or non-contact operation is selected.
- Low Battery Indicator alerts the operator if the batteries are low.
- On-Target Indicator confirms that the measurements are reliable.
- Memory Indicators are illuminated when the maximum, minimum, average and last readings are recalled to the display for viewing.



0 - 99,999 m, / 0 - 99,999 ft / 0 - 99,999 in



The CDT-2000HD is supplied as a complete kit including: Gauge, contact adapter, cone tip adapter, 6" circumference universal surface speed wheel, reflective tape, NIST-traceable calibration certificate, operating instructions and foam-fitted, hard-plastic carrying case.

A Non-Contact Model, the CDT-1000HD is also available.

CHECK-LINE"-PRECISION QUALITY CONTROL INSTRUMENTS

Electromatic Equipment Co., Inc.

600 Oakland Ave.

Cedarhurst, N Y 11516 —USA

NewTech Instruments Co., Inc.

Tel: 02)868-8648 **Fax:** 02)868-8649

Web site: www.yesnt.co.kr

FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER CALL TOLL FREE 1-800-645-4330