CHECK·LINE®
BY ELECTROMATIC

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 non-contact 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
- Includes traceable calibration certificate
- 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)

over →

深圳市现代豪方仪器仪表科技有限公司 0755-26738591 13392863941

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
Display	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	Up to 24 inches (60 cm)
Display Update Time	0.5 seconds or one measuring period
Auto Power Off	After 30 seconds of non-use (minimum, maximum average, and last reading retained in memory)
Battery Life	40 hours continuous use (approx.) with alkaline batteries
Battery Type	2 AA (1.5 V) or rechargeable
Weight	6 ounces (170 grams)
Housing Material	ABS Plastic
Operating Temperature	32 to 122° F (0 to 50° C)
Storage Temperature	– 4 to 158° F (–20 to 70° C)

Measuring Ranges – rpm

Optical	1 – 99,999 rpm
Mechanical	1 – 99,999 rpm

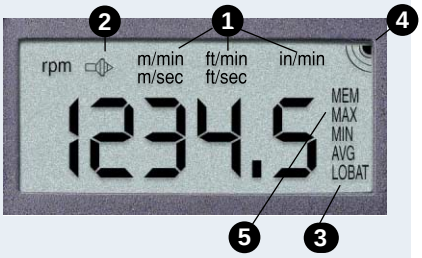
Measuring Ranges – speed

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

Measuring Ranges – length

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

1. **Units of Measure Indicators** show the user-selected units of measure.
2. **Contact Indicator** shows if contact or non-contact operation is selected.
3. **Low Battery Indicator** alerts the operator if the batteries are low.
4. **On-Target Indicator** confirms that the measurements are reliable.
5. **Memory Indicators** are illuminated when the maximum, minimum, average and last readings are recalled to the display for viewing.



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.

深圳市现代豪方仪器仪表科技有限公司 0755-26738591 13392863941