

Non-Contact TACHOMETER

CDT-1000HD

Measuring Range

1.00 to 99,999 rpm

The CHECK-LINE® CDT-1000HD Hand-Held Digital Tachometer accurately measures rotational speed (RPM) using a visible beam of light. The CDT-1000HD can be up to 24 inches away from the small piece of reflective tape that is affixed to the rotating element.

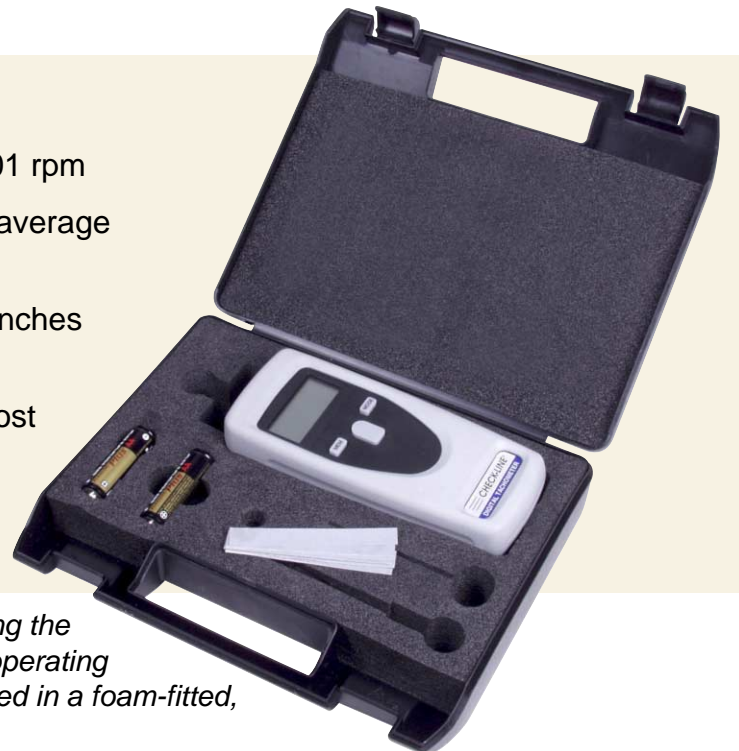
The CDT-1000HD's rugged construction, portability and outstanding features make it an ideal choice for maintenance personnel, machine operators or others in a wide variety of machinery and material handling applications.



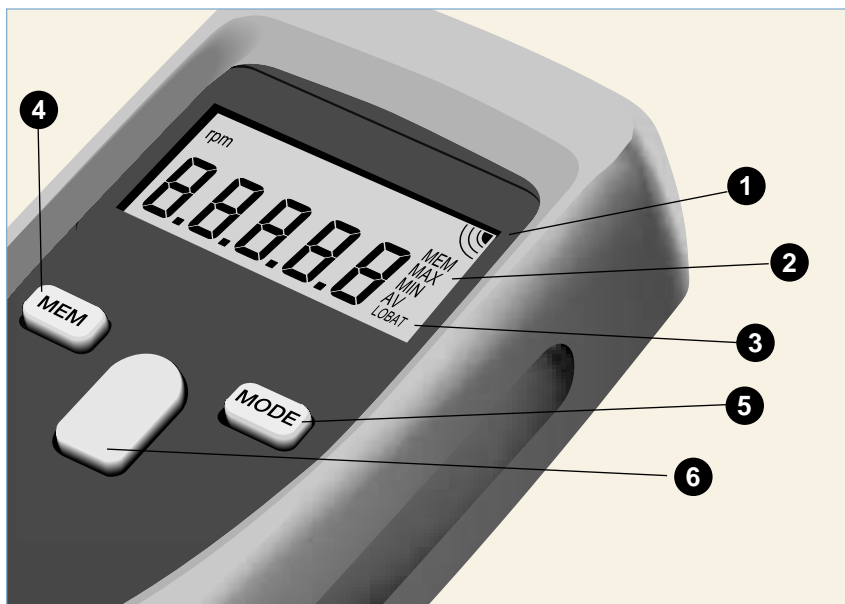
FEATURES

- ▲ 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

CDT-1000HD is supplied as a complete kit, including the tachometer, reflective tape, two AA batteries (1.5V), operating instruction manual and an NIST certificate—all supplied in a foam-fitted, hard plastic carrying case.



Specifications			
Measuring Ranges		Display Update Time	0.5 seconds
<i>RPM</i>	1.00 – 99,999 rpm (non-contact)	Auto Power Off	After 30 seconds of non-use (minimum, maximum, last and average reading retained in memory)
Resolution	.01 from 0 – 100 .1 from 100 – 1,000 1 from 1000 – 99,999	Battery Life	30 hours continuous use, approx.
Accuracy	± 0.02% of reading or ± 1 digit	Battery Type	2 AA (1.5V) or rechargeable
Display	5-Digit LCD, 10mm high	Weight	5 ounces (140 grams)
Decimal Point	Automatic	Housing Material	ABS Plastic
Memory System	Maximum, minimum, last and average reading (retained in memory for the life of batteries)	Operating Temperature	32 to 122° F (0 to 50° C)
Measurement System		Storage Temperature	– 4 to 150° F (–20 to 70° C)
<i>Non-Contact</i>	Visible LED light beam	Accessories Included	Reflective tape, 2 AA batteries NIST-traceable calibration certificate and operating instructions in a foam-fitted, hard-plastic carrying case
Engineering units		Warranty	5 years
<i>RPM</i>	RPM		
Sensing Distance	Up to 24 inches (60 cm)		



CDT-1000HD Display and Controls

- 1. On-Target Indicator:** Indicates that the unit is lined up correctly for an accurate measurement
- 2. Memory Indicators:** Indicates which measurement stored in memory (last, max., min., avg) is displayed.
- 3. Low Battery Indicator:** Illuminates to indicate that batteries need replacement.
- 4. MEM Key:** Accesses the memory. Each time the key is pressed the values stored in memory will be displayed.
- 5. MODE Key:** *Not functional* in this model.
- 6. MEASURE Key:** Performs these functions:
 - Turns on the power
 - Starts and stops the measuring period
 - Exits from the memory mode

A combination Contact & Non-Contact Model, the CDT-2000HD is also available.

CHECK•LINE® – PRECISION QUALITY CONTROL INSTRUMENTS

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