

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
- ▲ Built-in memory stores maximum, minimum, 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

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



Specifications

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



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.