CHECK·LINE®
BY ELECTROMATIC

Non-Contact

TACHOMETER

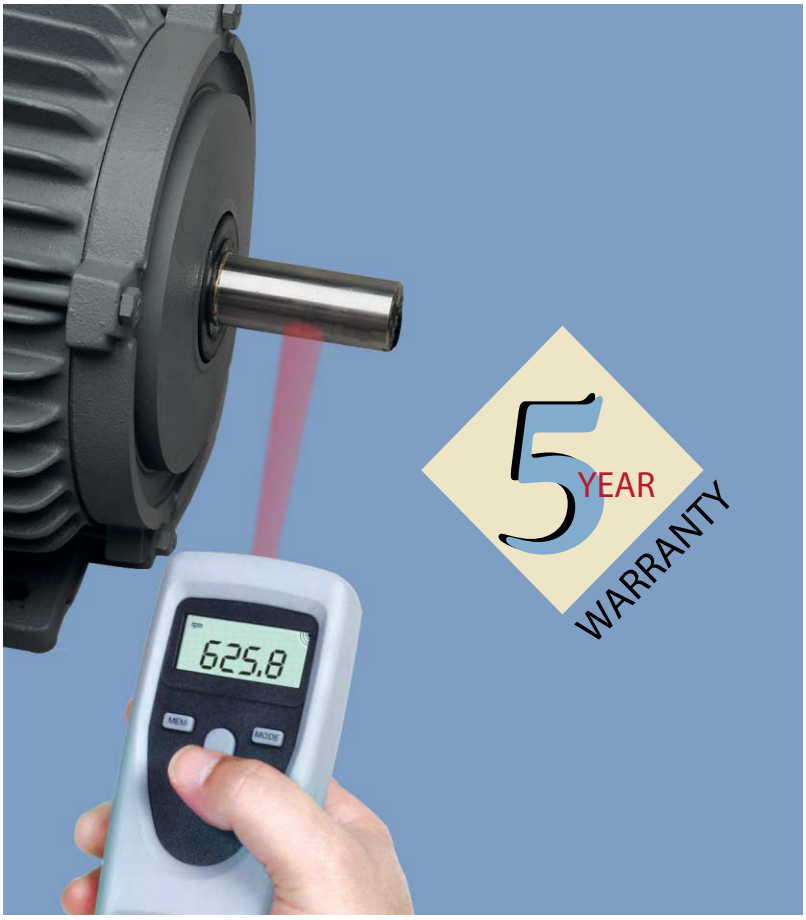
CDT-1000HD

Measuring Range

1.00 to 99,999 rpm

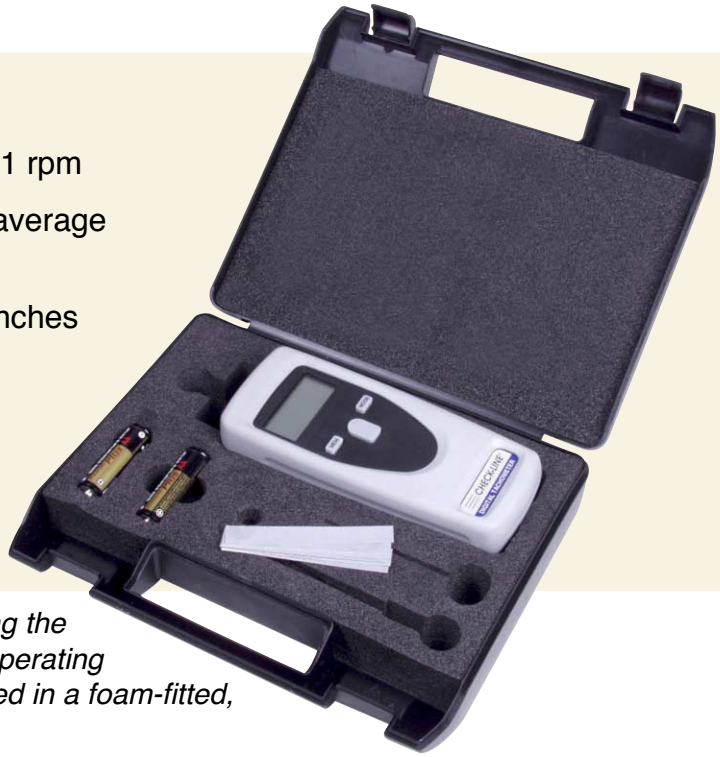
The CHECK-LINE® CDT-1000HD Hand-Held Digital Tachometer accurately measures rotational speed (RPM) using a visible beam of light. The CDT-1000HD can be up to 24 inches away from the small piece of reflective tape that is affixed to the rotating element.

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
- Includes traceable calibration certificate
- 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.*

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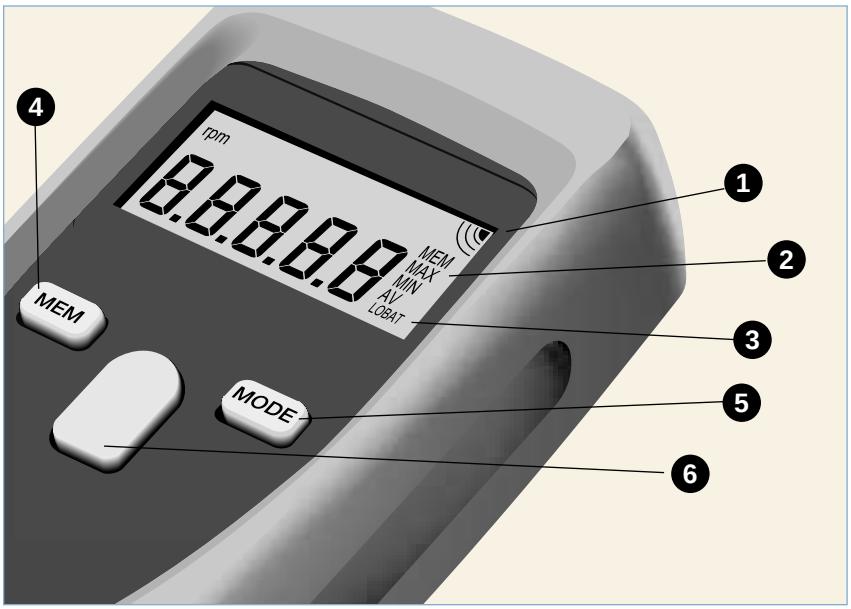
over

CDT-1000HD

Data & Specifications

Specifications

Measuring Ranges	
RPM	1.00 – 99,999 rpm (non-contact)
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, last and average reading (retained in memory for the life of batteries)
Measurement System	
Non-Contact	Visible LED light beam
Engineering units	
RPM	RPM
Sensing Distance	Up to 24 inches (60 *cm*)
Display Update Time	0.5 seconds
Auto Power Off	After 30 seconds of non-use (minimum, maximum, last and average reading retained in memory)
Battery Life	30 hours continuous use, approx.
Battery Type	2 AA (1.5V) or rechargeable
Weight	5 ounces (*140 grams*)
Housing Material	ABS Plastic
Operating Temperature	32 to 122° F (*0 to 50° C*)
Storage Temperature	– 4 to 150° F (*–20 to 70° C*)
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:** Acesses 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.

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