

# Hand-Held Mechanical Tachometer

## Four Models Available

### HTM-100F

10 to 10,000 rpm  
5 to 5,000 ft/min

### HTM-500F

30 to 50,000 rpm  
15 to 25,000 ft/min

### HTM-100M (Metric)

10 to 10,000 rpm  
1 to 1,000 m/min

### HTM-500M (Metric)

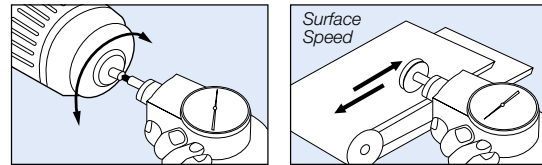
30 to 50,000 rpm  
3 to 5,000 m/min

## Features

- Accuracy of  $\pm 0.5\%$  Full Scale.
- CE-Certified with 18 month warranty.
- 3-Position Range Selector Switch provides highest possible resolution for each application.
- Supplied as a complete kit with cone and funnel tip adapters, shaft extension and surface speed wheel in foam-fitted carrying case.
- No batteries required.
- Rubber shell on housing provides extra protection and improved grip.
- 3-inch oversized dial uses two separate color scales to display rpm (black) and surface speed (red) .
- Memory button holds pointer in "last" position until reset.
- NIST-Traceable Calibration and Test Report optionally available.

The HTM mechanical hand-tachometer accurately measures RPM and surface speed on a wide range of applications.

Favored in several industries, including elevator maintenance and mining, HTM Mechanical Tachometers use a pointer and dial to display RPM or surface speed—without the need for batteries!



In addition to reading speeds on the dial, the user can note the range and frequency of variation of the measurements by watching the speed and span of the pointer movement. A Peak-Hold (memory) button freezes the pointer in "last" position until reset. A 3-inch oversized dial uses two separate color scales to measure rpm (black) and surface speed (red) quickly and easily.

A 3-Position Range Selector Switch allows the operator to select highest possible resolution for each application by providing a multiplier of 1X, 10X or 100X for reading the dial. All HTM models are rated at an accuracy of  $\pm 0.5\%$  Full Scale or better.

The HTM is fitted with a durable rubber sleeve, providing extra ergonomic benefits for comfortable and secure hand-held use. This also provides an additional measure of physical and environmental protection.



Accuracy	±0.5% Full Scale			
RPM Ranges	HTM-100 models 10-10,000 rpm		HTM-500 models 30-50,000 rpm	
Multipliers (rpm)	x 1 x 10 x 100	1 – 100 100 – 1,000 1,000 – 10,000	x 1 x 10 x 100	30 – 500 300 – 5,000 3,000 – 50,000
Surface Speed Ranges 100 Series Models	HTM-100F 5-5,000 ft/min		HTM-100M 1-1,000 m/min	
Multipliers (fpm / mpm)	x 1 x 10 x 100	5 – 50 50 – 500 500 – 5,000	x 1 x 10 x 100	1 – 10 10 – 100 100 – 1,000
Surface Speed Range 500 Series Models	HTM-500F 15-25,000 ft/min		HTM-500M 3-5,000 m/min	
Multipliers (fpm / mpm)	x 1 x 10 x 100	15 – 250 150 – 2,500 1,500 – 25,000	x 1 x 10 x 100	3 – 50 30 – 500 300 – 5,000
Surface Speed Range Metric Models	Must divide value on dial by 10			
Weight	10.6 oz (300 g)			
Housing Material	Plastic, with outer rubber shell			
Dimensions (Tach)	6.1" x 3.4" x 2.2" (155 x 85 x 55mm)			
Dimensions (Case)	9.9" x 8.2" x 2.4" (252 x 207 x 60mm)			
Certifications	CE			
Warranty	18 months			
Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)			
Storage Temperature	14 °F to 104 °F (-10 °C to 40 °C)			



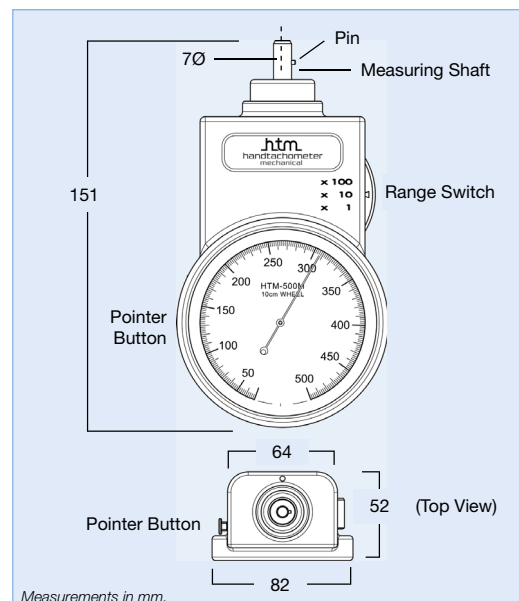
### Complete Kit



All models are supplied as a complete kit in a foam-fitted carrying case including cone tip and funnel tip adapters, shaft extension and instruction manual.

*Calibration Certificate is optional.*

	HTM-100F	HTM-500F	HTM-100M	HTM-500M
6" Wheel	•	•		
0.1 M Wheel			•	•
Cone Tip	•	•	•	•
Funnel Tip	•	•	•	•
Shaft Extension	•	•	•	•

### Fast, accurate and easy-to-use



- Slide the **Red Range Switch** to select a suitable multiplier for your application. 
- Manually rotate the measuring shaft to engage the gear for the selected range.
- Slide contact adapter/wheel over the shaft of the HTM.
- Bring the tip adapter into contact with the moving surface of the material being measured. The gauge will display a reading, either RPM, ft/min, min/min.
- To lock in the reading, press and hold the **Red Pointer Button** to activate the pointer. When the pointer button is released, the pointer will remain in the last position. 
- To reset the pointer, press and release red button again.