

S.I. Instruments
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www.si-instruments.com.au

For reliable measurement, control and indication of rotational speeds



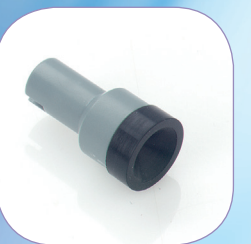
HTM-100M/100F HTM-500M/500F

Mechanical Precision
Hand Tachometer
for universal measurement

Ranges 10 ... 50.000 rpm
Also feet and meters

No Batteries required

Protective rubber shroud



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We reserve the right to make technical changes.



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Back to the Future...

Why accuracy pointer lock? Clever ergonomic design for ease of use with one hand. Large, clear, easy to read dial. Wide reading range but with good definition due to the range being selected via a switch and the range selected being read over 270 degree scale. Mounted in a rubber holster to give added protection and to give excellent grip and feel. Supplied with accessories as a full kit with calibration certificate and supplied in a neat foam filled hard shell carry case.

Dial versus digital. The human brain is like an analogue device, and it can often gather more information, more quickly from an analogue device. Remember how the market place quickly rejected digital speedometers in cars and the digital wrist-watch. A skilled operator can simply see whether the pointer is within tolerance without taking the time to actually read or interpret the numbers on a dial. They can tell at a glance whether the reading is increasing or decreasing, the speed at which it is doing this and the rate of change were a digital device can flicker between close reading or will just give you a static reading.

Also the human eye can interpolate graduations on a dial surprisingly accurately. So an experienced operator gets more information from a dial than just a static reading. How many digital products now incorporate an analogue element?

Where? These instruments are used anywhere rotational speed or length or linear running speed needs to be measured (Measurements in rpm / feet / meters):

By lift and elevator installers / inspectors. Rotating machinery inspectors / maintenance engineers / commissioning engineers. Plant engineers of all types where equipment needs to be accurately checked.

No Batteries. Every needed to use a digital tachometer only to find the batteries have gone flat. No batteries means no electrical power in the device, very useful in areas with hazards associated with on site electrical power. No electric – so no spark hazard. No complex electronic circuits. No batteries to dispose of.



Scope of delivery



Tachometer (1) / Wheel (2) / Measuring tip (3) / Measuring funnel (4) / Extension shaft (5) / Manual = included in scope of delivery



Supplied in hard shell carry case.

htm
handtachometer
mechanical

N0001.844 / Status May 2013

Technical data	
Accuracy	+/- 0,5% of measuring range full scale value
Certificates	CE
Ambient conditions	
Operating temperature	0° ... 40°C / (32° ... 104°F)
Storage temperature	-10° ... 40°C / (14° ... 104°F)
Housing	
Material	plastic
Dimensions	155x85x55 mm
Dimensions of carrying case	252x207x60 mm
Weight	300 g

Product	RT Part number
HTM 100M 10 cm wheel Single scale only rpm *)	A3-3100
10 ... 10.000 rpm x1 = 10-100 rpm x10 = 100-1.000 rpm x100 = 1.000-10.000 rpm	
HTM 100F 6" wheel Dual scale rpm and linear	A3-3110
10 ... 10.000 rpm x1 = 10-100 rpm x10 = 100-1.000 rpm x100 = 1.000-10.000 rpm 5 ... 5.000 ft/min x1 = 5-50 ft/min x10 = 50-500 ft/min x100 = 500-5.000 ft/min	
HTM 500M 10 cm wheel Single scale only rpm *)	A3-3500
30 ... 50.000 rpm x1 = 30-500 rpm x10 = 300-5.000 rpm x100 = 3.000-50.000 rpm	
HTM 500F 6" wheel Dual scale rpm and linear	A3-3510
30 ... 50.000 rpm x1 = 30-500 rpm x10 = 300-5.000 rpm x100 = 3.000-50.000 rpm x1 = 15-250 ft/min x10 = 150-2.500 ft/min x100 = 1.500-25.000 ft/min	

*) Divide the reading by 10 get the speed in meters.