

Safe measurement, indication and control of rotational speed



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

ATEX
approved version



Back to the Future...



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 selection via a switch and the range selected being displayed over 270 degree scale. With push button pointer lock, to retain last recording. Mounted in a rubber holster for protection and to give excellent grip and feel. Supplied as a full kit with accessories in a neat, foam filled, hard shell carry case.

Dial versus digital. The human brain is like an analogue device. 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 wristwatch. 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, where 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?



Scope of delivery



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



Supplied in a protective foam filled hand-carry case complete with instructive booklet.



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 required. Have you ever relied on a digital tachometer and then found out that the batteries have gone flat? The HTM provides a reliable alternative with the added benefit of being simple to dispose of since there are no complex electronic circuits and batteries.

ATEX approved version



Mindful of the need to operate tachometers in areas where there is sometimes a risk of explosive atmospheres due to either dust particles or gas, our engineers have carried out modifications to enable this version to be certified for use in ATEX zones without compromising the capability of the original design. The ATEX approved version is suitable for zone 1 use, in all gas groups with a temperature class of T4 and is also suitable for mining applications I M2 c.



Technical data

Accuracy	+/- 0.5 % of measuring range full scale value
Certificates	This product meets the high quality and safety standards of our company. HTM: CE marking is not applicable to this product as there is currently no EC directive to certify it against. HTM ATEX: CE, ATEX Ex II 2 G D c IIC T4, I M2 c

Ambient conditions

Operating temperature	0 ... +40 °C (+32 ... +104 °F)
Storage temperature	-10 ... +40 °C (+14 ... +104 °F)

Housing

Material	plastic
Dimensions	155 x 85 x 55 mm
Dimensions of carrying case	252 x 207 x 60 mm
Weight	300 g

Product		RT Part number
HTM-100M 0.1 m wheel Dual scale rpm and linear	10 ... 10,000 rpm x 1 = 10 - 100 rpm x 10 = 100 - 1,000 rpm x 100 = 1,000 - 10,000 rpm	HTM: A3-3100 HTM ATEX: A3-5100
HTM-100F 6" wheel Dual scale rpm and linear	10 ... 10,000 rpm x 1 = 10 - 100 rpm x 10 = 100 - 1,000 rpm x 100 = 1,000 - 10,000 rpm 5 ... 5,000 ft/min x 1 = 5 - 50 ft/min x 10 = 50 - 500 ft/min x 100 = 500 - 5,000 ft/min	HTM: A3-3110 HTM ATEX: A3-5110
HTM-500M 0.1 m wheel Dual scale rpm and linear	30 ... 50,000 rpm x 1 = 30 - 500 rpm x 10 = 300 - 5,000 rpm x 100 = 3,000 - 50,000 rpm	HTM: A3-3500 HTM ATEX: A3-5500
HTM-500F 6" wheel Dual scale rpm and linear	30 ... 50,000 rpm x 1 = 30 - 500 rpm x 10 = 300 - 5,000 rpm x 100 = 3,000 - 50,000 rpm x 1 = 15 - 250 ft/min x 10 = 150 - 2,500 ft/min x 100 = 1,500 - 25,000 ft/min	HTM: A3-3510 HTM ATEX: A3-5510



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