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redpoint



rotaro



rotaro T

# Hand-Held ..... Tachometers

Exceptional flexibility with...



...precision, simplicity & VALUE



# Hand-Held Tachometers

## Delivering Precision & Value .....

Exceptional design, the latest technologies and world-class fabrication techniques are just a few of the unique qualities defining Rheintacho's family of hand-held tachometers, which accurately measure rotational or surface speed as well as length.

### Informative LCD

The easy-to-read LCD display provides a wealth of valuable information including the measured value, selected engineering units, as well as an indication of the selected measuring mode; contact or non-contact.

### Built-in memory

When making use of the built-in memory function, the maximum, minimum, average and last value is automatically stored and easily recalled to the display by pressing the MEM key.

### Complete kits

Each unit is supplied with all the necessary accessories in an attractive, protective carrying case. Each attachment has been carefully designed to provide optimal mechanical stability to insure accurate, reliable and repeatable measurements.

### Auto power off function

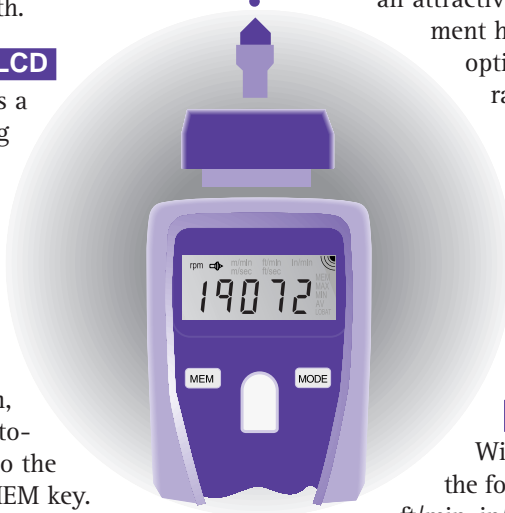
The "auto power off" function ensures that the batteries aren't dead the next time you urgently need to use the hand-held tachometer. After 30 seconds from the last measurement, it turns off automatically.

### Mode key

With the MODE key, you can select any of the following engineering units: (rpm, m/min, ft/min, in/min, ft/sec, m/sec, m, ft, in).

## ..... Certified accuracy

Each tachometer is supplied with a Calibration Certificate validating that its operating performance meets or exceeds its published specifications.



## Exceptional performance runs in the family

Several models are available, each delivery un-matched performance and value, for both contact and non-contact RPM, surface speed and length measurement as detailed below.

### Redpoint

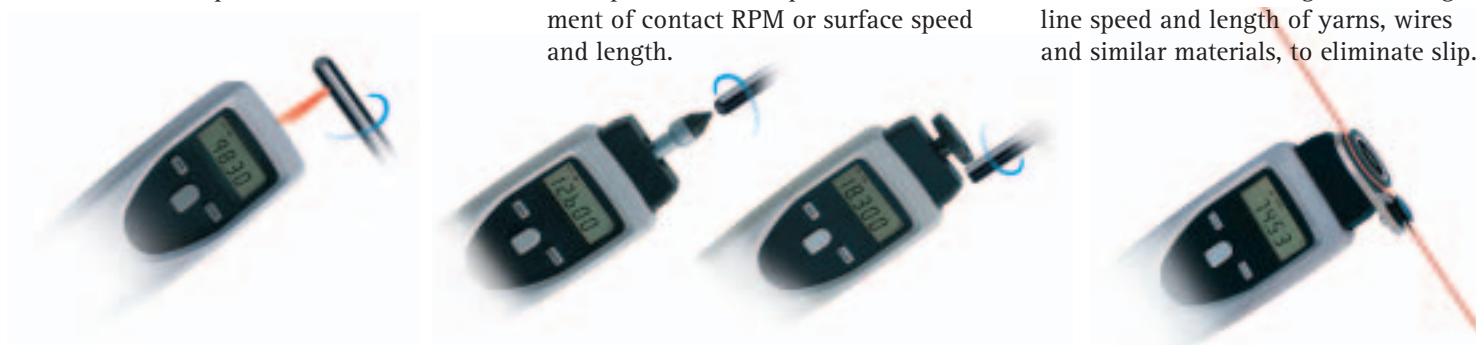
Without requiring contact, it uses a precise beam of light together with a piece of reflective tape affixed to the rotating element to accurately measure its rotational speed.

### Rotaro

In addition to the Redpoint functions, Rotaro permits the user to connect a mechanical adapter that accepts a variety of contact tips, as well as a surface speed wheel, for precise measurement of contact RPM or surface speed and length.

### Rotaro T

In addition to all functions performed by both Redpoint & Rotaro, Rotaro T is supplied with a special contact adapter specifically designed to maximize surface contact when measuring the running line speed and length of yarns, wires and similar materials, to eliminate slip.



## Quick rotational-speed checks in a multitude of applications

This equipment is just as important in the implementation and day to day operations of machinery and systems as it is for maintenance. These devices are also very helpful for checking production systems as well as research and development laboratories. Within seconds you know what condition your systems are in.

### Example applications

**are:** motors, turbines and pumps; centrifugals, conveyors; paper, foil, and textiles production systems; spool and transformer coiling machines; tool machines and others.

## Specification






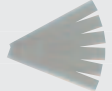


Specification				Redpoint	Rotaro/Rotaro T
Accuracy					
	±0.02% v. reading ± 1 Digit			✓	✓
Measuring Ranges rpm					
optical	1 ... 99999 min <sup>-1</sup>			✓	✓
mechanical	1 ... 19999 min <sup>-1</sup>				✓
Speed	Ø 01 m	Ø 6"	Ø 12"		
m/min	0.10 ... 1999	0.10 ... 1524	0.40 ... 609.6		✓
ft/min	0.40 ... 6550	0.40 ... 5000	0.40 ... 2000		✓
in/min	4.00 ... 78700	4.00 ... 60000	4.00 ... 24000		✓
m/sec	0.10 ... 33,30	0.10 ... 25.40	0.10 ... 10.16		✓
ft/sec	0.10 ... 109	0.10 ... 83.33	0.10 ... 33.33		✓
Length					
	0 ... 99999 m / 0 ... 99999 ft / 0 ... 99999 in				✓
Sensing Distance (optical)					
	max. 600 mm (24 in)			✓	✓
Operation					
Battery type	2x AA Battery or rechargeable			✓	✓
Operating Temperature	0 ... +50 °C (32 ... 122°F)			✓	✓
Storage Temperature	-20 ... +70 °C (0 ... 160°F)			✓	✓
Housing					
Material	ABS			✓	✓
Weight	250 g			✓	✓
Size	175x60x28 mm (7x2,5x1 inch)			✓	✓



## Ordering Information:

Article Nr.	Type	Features
A5-1100	Redpoint3.0	RPM measurement by beam of light and reflection marker
A5-1000	Rotaro 3.0	RPM measurement by beam of light and reflection marker or by measuring point; measurement of speed and length by measuring wheel
A5-2200	RotaroT3.0	Same features as the Rotaro with an additional special adapter for thread or wire

Inclusive								
Redpoint						✓	✓	✓
Rotaro		✓	✓	✓	✓	✓	✓	✓
Rotaro T	✓	✓	✓	✓	✓	✓	✓	✓

More accessories on request

### Rheintacho

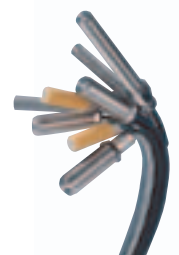
is a flexible, highly-efficient partner – wherever speed must be measured, monitored or controlled. Innovation, the most modern production techniques and equipment, meticulous quality control along with a first-class workforce are the corner stones of our company.

For the past 100 years, Rheintacho has used our extensive knowledge and experience to develop sensors, systems and customized solutions to meet our customer's requirements in a professional, cost-effective manner.

Shown on the right, are several other products in our complete product range.

### Non-contact speed sensors

These enable speeds to be read with the highest accuracy in the most severe environment. Depending on the application, we can offer sensors with various measurement principles in a wide variety of styles and connection types.



### Other Hand-held instruments

The new hand-held stroboscope measures and tests rotational and vibrational movements even in places which are difficult to access. It does this without any encroachment whatsoever in the system to be tested. When the displayed strobe frequency equals the true speed, the moving part will appear stationary.



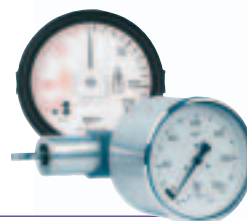
### Speed Monitor

The programmable speed monitor observes the movement of motors, machines, and systems. Because of its variety of functions and its variable programmable options, the speed monitor is flexible enough to fit in with various system requirements.



### Analogue Indication Systems

Mechanical and electrical Tachometers are still important in our digital world. The mechanical Tachometers are a dependable robust form of speed indication which is cost effective and simple maintain. The combination of a tacho-generator in conjunction with an electrical indicator is a system for which no main supply is required.



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