



Hand-Tachometers

Multi-functional tool for contact and non-contact measurement



redpoint



rotaro



rotaro T



rotaro Tw



Quick speed measuring
in numerous applications

Extremely precise
and practical

Special sets for various
industrial applications

rotaro Te

Exceptional performance runs in the family

Delivering precision & value Exceptional design, the latest technologies and world-class production techniques are just a few of the unique qualities defining RHEINTACHO's family of digital hand-tachometers, which accurately measure rotational or surface speed as well as length.

Each tachometer is supplied with a calibration certificate traceable to DKD (Deutscher Kalibrierdienst), validating that its operating performance meets or exceeds its published specifications.

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

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.



Detecting rotational speeds and run lengths of machines and equipments.

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.

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 on the display by pressing the MEM key.

Auto power off function ensures that the batteries aren't dead the next time you urgently need to use the hand-tachometer. It automatically switches off after 30 seconds of inactivity.



Solving nearly every measurement task thanks to various measurement principles.



redpoint rotaro rotaro T rotaro Te rotaro Tw

Quick rotational speed checks in a multitude of applications

The digital hand-tachometers are just as useful when setting up plants and machinery as during maintenance and servicing works.

These devices are also very helpful for monitoring manufacturing processes 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.



Technical data

General parameters

Accuracy	±0.02 % of measuring range ± 1 Digit for rpm		
Measuring ranges rpm	optical 1 ... 99,999 min ⁻¹ mechanical 1 ... 19,999 min ⁻¹		
Length	0 ... 99,999 m / 0 ... 99,999 ft / 0 ... 99,999 in		
Sensing distance (optical)	max. 600 mm (24 in)		
Speed			
	Wheel 0.1 m	Wheel 6"	Wheel 12"
m/min	0.10 ... 1,999	0.10 ... 1,524	0.40 ... 609.6
ft/min	0.40 ... 6,550	0.40 ... 5,000	0.40 ... 2,000
in/min	4.00 ... 78,700	4.00 ... 60,000	4.00 ... 24,000
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

Operating data

Power supply	2x AA batteries or rechargeable batteries
Operating temperature	0 ... +50 °C (32 ... 122 °F)
Storage temperature	-20 ... +70 °C (0 ... 160 °F)

Housing

Material	ABS
Weight	250 g

redpoint

redpoint



redpoint Part-No: A5-1100

Features: Compact measuring unit for non-contact measurement of rotational speed.

Without requiring contact, the measuring device redpoint 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 T

rotaro T



rotaro T Part-No: A5-1200

Features: Same as rotaro, but additionally equipped with a special adapter T.

In addition to all functions performed by both redpoint & rotaro, rotaro T is supplied with a special adapter specifically designed for measurement of velocities and lengths of yarns, wires and glasses or other fibers.



rotaro



rotaro Part-No: A5-1000

Features: Optical and mechanical measurement of RPM or surface speeds and lengths.

Non-contacting measurement of rotational speed using a beam of light and a reflective tape or contacting with an adapter and various probes.

Scope of delivery

A5-1000 rotaro: Batteries (1), reflective tapes (2), standard adapter (3), measuring wheels (4), measuring tips (5), extension shaft (6), carrying case (10).

A5-1100 redpoint: Batteries (1), reflective tapes (2), carrying case (10).

A5-1200 rotaro T: Same as rotaro but additionally with a special adapter for yarns or wires (7).

A5-1250 rotaro Te: Same as rotaro but additionally with a special adapter for wire or rope (8).

A5-1279 rotaro Tw: Same as rotaro but additionally with a special adapter for welding wires (9).



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Design and content of carrying case depending on model.

rotaro Te



rotaro Te Part-No: A5-1250

Features: Same as rotaro, but additionally equipped with a special adapter Te.

The rotaro Te measures speed and length of wires and ropes up to 8 millimeter diameter, e.g. in elevator applications.

rotaro Tw



rotaro Tw Part-No: A5-1279

Features: Same as rotaro, but additionally equipped with a special adapter Tw.

The rotaro Tw has been developed to meet the special requirements for measurement of speed and length of unstressed welding wires with a diameter from 0.8 to 3 millimeter.

RHEINTACHO is a well-known specialist for customised rotational speed measuring solutions. Less well-known are the principles behind our success.

RHEINTACHO is a family-run company and wishes to stay that way. We cultivate a family atmosphere throughout the company, adopting an integrative approach in which each employee is equally involved.

In this atmosphere of tolerance and trust, our select team of expert employees feel very much at home and adopt responsibility for the company as a whole.

A flat hierarchical system, direct contact, communication on an equal footing – a company structure which allows us to focus fully on our priorities: customer satisfaction, innovation, flexibility, quality, efficiency, growth.

Our aim is to meet our customers' every need by consistently producing the best possible rotational speed measurement product at a competitive price. Since this also means providing an excellent all-round service we place great emphasis on optimising levels of cooperation, reliability and continuity.

The success of this approach is reflected in the pleasure we find in our work even when the pressure is on. We are a growing company, but we prefer to grow at a natural pace rather than at all costs. In this spirit, our staff numbers, turnover and innovative productivity, as well as the challenges we face, are steadily growing.

The future is bright for RHEINTACHO.



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