**Handheld Digital Tachometers Series** HT-3200/4200 ONOSOKKI



ONOSOKKI

HT-3200

Select the handheld digital tachometer that best meets your application needs.

New models with enhanced functions and performance!

HT-4200

## **Contact type**

The HT-3200 offers a Lo measurement range that starts from 0.5 r/min.

The circumferential ring and contact tip for rotation measurement can be stored in the back-side pocket of the main body.

- Capable of measurement from a low speed at 0.5 r/min (when low range selection) up to a high speed at 10,000 r/min (when high range selection).
- A large-size display device (10.5-mm character height) is incorporated into the compact, lightweight device.
- Built-in convenient memory function for easy confirmation of the measured results

Contact method

0.5 to 10.000 r/min Lo: 0.5 to 2.000 0 r/min Hi: 5 to 10,000 r/min

0 to +40°C

-20 to +55°C

Approx. 200 a

AAA-type batterie User's manual

5-digit LCD (10.5-mm character height)

Low (Lo) range: 0.5 to 1249.9 r/min speeds

High (Hi) range: 5 to 10,000 r/min speeds

10 data can be memorized.

An "ERROR" mark is displayed. Three AAA-type batteries (1.5 V)

63 (W) x 172 (L) x 38.5 (D) mm

Circumferential ring (KS-200, m/min)

- Dual-purpose type—replacing the contact tip with the circumferential ring enables circumferential measurement
- Equipped with a storage pocket for the circumferential ring
- The latest measurement value continues to be displayed for approximately 30 seconds even after the power has been switched
- Battery replacement time indicator is provided.

Specifications Detection method

Measurement update time

Circumferential speed

measurement range Measurement accuracy

Memory function

Data hold function

Over-range display

Power source

Accessories

Low battery indication

Operating temperature

Weight (including batteries)

Storage temperature Outer dimensions

Rotation speed measurement range

Display

Storage pocket for the contact tip for rotation measurement and the circumferential ring (located on the





# Non-contact type

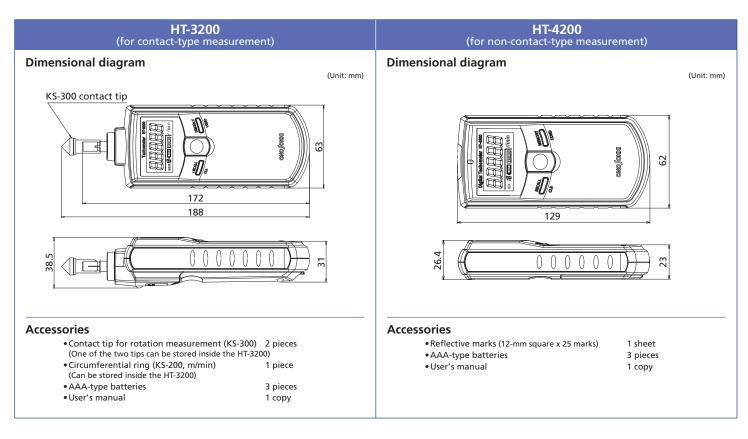
The HT-4200 is a compact, non-contact type handheld digital tachometer.

Affix one of the reflective marks to the rotating surface of the target measurement object, and then aim the red visible ray at the mark. If multiple marks are affixed to the target of measurement object, measurement can be performed at a lower speed.

- The 5-digit display enables wide-ranging measurement from 4 r/min (when multiple reflective marks are used.) to 50,000 r/min (when single reflective mark is used.)
- A large-size display device (10.5-mm character height) is incorporated into the compact, lightweight device which can be easily slipped into your shirt pocket.
- Built-in convenient memory function for easy confirmation of the measured results
- Even shiny shafts can be measured by using the reflective marks provided with the device.
- Measurement can be performed over a wide range from 30 r/min to 50,000 r/min, in 1-r/min resolution (when one reflective mark is used)
- Measurement can be performed safely at a distance ranging from 20 to 300 mm between the detection unit and the target measurement surface (the reflective mark surface).
- The latest measurement value continues to be displayed for approximately 30 seconds even after the power has been switched off.
- Battery replacement time indicator is provided.

Specifications	
Detection method	Red visible ray photoelectric reflection method
Detection distance	20 to 300 mm
Display	5-digit LCD (10.5-mm character height), fixed measurement unit (r/min)
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Measurement update time	1-s automatic update (2-s update when the circumferential speed is lower than 60/number of reflective marks r/min)
Measurement range	Measurement resolution: 1 r/min The affixing of multiple reflective marks enables measurement of lower rotation speeds.
	Measurement speed Number of reflective marks
	30 to 50,000 r/min1
	15 to 25,000 r/min 2 10 to 16,667 r/min 3
	8 to 15,500 /min 4
	5 to 8,333 r/min 6
	4 to 6,250 r/min 8
Measurement accuracy (when one reflective mark is used)	30 to 12,499 r/min speeds Within ±1 r/min 12,500 to 24,999 r/min speeds Within ±2 r/min 25,000 to 50,000 r/min speeds Within ±4 r/min
Measurement of the number of pulses	The number of reflective marks used can be specified in order to perform measurement from lower rotation speeds. Specifiable values: 1, 2, 3, 4, 6, 8 P/R
Memory function	10 data can be memorized.
Data hold function	Auto power off when 30 seconds have elapsed after the end of measurement.
Low battery indication	The "LOW" mark is displayed when the battery voltage falls below 3.3 V.
Over-range display	An "ERROR" mark is displayed.
Power source	Three AAA-type batteries (1.5 V), Continuous measurement time: Approx. 20 hours (when alkaline batteries are used, at 20°C)
Operating temperature	0 to +40°C
Storage temperature	-10 to +55°C
Outer dimensions	62 (W) x 129 (L) x 26.4 (D) mm
Weight (including batteries)	Approx. 130 g
Accessories	Reflective marks 1 sheet (25 marks) AAA-type batteries 3 pieces User's manual 1 copy

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