**Specifications**

**Detection method**  
Contact method

**Display**  
5-digit LCD (10.5-mm character height)

**Measurement update time**  
1-s automatic update (2-s update for Lo range: 0.5 to 10 mm/min)  
3-s automatic update (4-s update for Hi range: 5 to 10 mm/min)

**Rotation speed measurement range**  
Lo: 0.5 to 10,000 mm/min  
Hi: 0.5 to 10,000 mm/min

**Circumferential speed measurement range**  
When the KS-200 circumferential ring (provided) is used: 0.05 to 1000.0 m/min  
When the KS-100 circumferential ring (option) is used: 0.5 to 10,000 m/min

**Measurement accuracy**  
Low (Lo) range: 0.5 to 1249.9 mm/min speeds: Within ±0.1 mm/min  
High (Hi) range: 5 to 10,000 mm/min speeds: Within ±1 mm/min

**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.

**Data hold function**  
No data can be memorized.

**Water 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 20ºC)

**Operation temperature**  
0 to 40ºC

**Storage temperature**  
-20 to +55ºC

**Weight (including batteries)**  
Approx. 130 g

**Accessories**  
User’s manual 1 copy  
AAA-type batteries 3 pieces  
Reflective marks 1 sheet (25 marks)

**Measurement of the number of pulses**  
Specifiable values: 1, 2, 3, 4, 6, 8 P/R

**Measurement range**  
When one reflective mark is used: 5 to 10,000 mm/min speeds: Within ±1 r/min  
When multiple reflective marks are used: 0.5 to 10,000 mm/min speeds: Within ±4 r/min

**Measurement accuracy**  
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

**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 20ºC)

**Operation temperature**  
0 to 40ºC

**Storage temperature**  
-10 to +55ºC

**Weight (including batteries)**  
Approx. 190 g

**Accessories**  
Reflective marks 1 sheet (25 marks)  
AAA-type batteries 3 pieces  
User’s manual 1 copy

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**HT-3200**

**HT-4200**

**Contact type**  
The HT-3200 offers a Lo measurement range that starts from 0.5 r/min. The HT-4200 offers a Lo measurement range that starts from 4 r/min (when multiple reflective marks are used) to 50,000 r/min (when single reflective mark is used).

**Battery replacement time**  
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.

**Battery replacement time indicator** is provided.
**HT-3200**
(for contact-type measurement)

**Accessories**
- Contact tip for rotation measurement (KS-300) 2 pieces
  (One of the two tips can be stored inside the HT-3200)
- Circumferential ring (KS-200, m/min) 1 piece
  (Can be stored inside the HT-3200)
- AAA-type batteries 3 pieces
- User’s manual 1 copy

**HT-4200**
(for non-contact-type measurement)

**Accessories**
- Reflective marks (12-mm square x 25 marks) 1 sheet
- AAA-type batteries 3 pieces
- User’s manual 1 copy

**Accessories (sold separately)**

**Contact tips** (for contact-type measurement)

- Circumferential ring (mm/min)
  - KS-100
    - Diameter ø19.1 mm
    - Peripheral length 60 mm
    - Width 3.4 mm

- Rotating contact tip (for rotation measurement)
  - KS-300
    - Length: 40 mm

**Reflective marks** (for non-contact-type measurement)

- Circumferential ring (m/min)
  - KS-200
    - Diameter ø31.8 mm
    - Peripheral length 100 mm
    - Width 4 mm

- Carrying cases
  - Carrying case for HT-3200 HT-0300
  - Carrying case for HT-4200 (Hard case type) HT-0400
  - Carrying case for HT-4200 (Soft case type) HT-0003

The recurrent reflectors incorporated in the reflective marks make them optimal for use with the HT-4200 and HT-5500 models.

(12 mm x 12 mm size, 25 marks per sheet; 10 sheets per pack)

*Outer appearance and specifications are subject to change without prior notice.*

**URL:** [http://www.onosokki.co.jp/English/english.htm](http://www.onosokki.co.jp/English/english.htm)