

Gasoline Engine Tachometers

SE-2500

For gasoline engine measurement applications

HT-6100

External sensor input type

For gasoline/diesel engines and general rotating objects



SE-2500



HT-6100



ONO SOKKI

HT-6100

Handheld Digital Tachometer

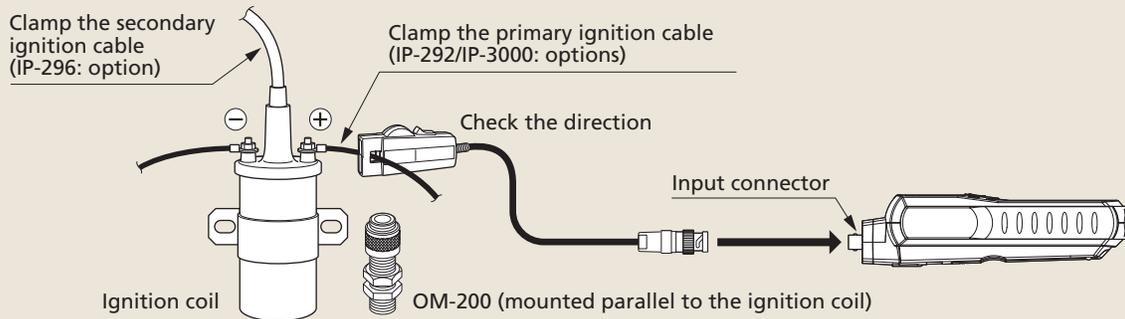
For the measurement of gasoline and diesel engines and of various rotating objects (external sensor input type)

- 1 Can be used with various sensors**
The HT-6100 can be used with the optional IP-292, IP-296, IP-3000 and OM-200 detectors, as well as with TTL signal output detectors.
- 2 Three outputs— analog, monitor and pulse— provided as standard**
Use the analog output function to record the number of rotations, the monitor output function to check the sensor's detection waveform, and the pulse output function to output rotation synchronization signals.
- 3 Built-in peak hold function**
The maximum and minimum values can be displayed during measurement.
- 4 Large LCD with backlight**
(Character height: 10.2 mm)
- 5 Built-in memory function**
20 data (MAX) can be saved to memory.
- 6 Can be mounted on a tripod**
The tachometer can be fixed to a tripod for continuous measurement.



HT-6100

Measurement method



Specifications

Applicable engines	Gasoline and diesel engines; general rotating objects		
Compatible detectors	IP-292, IP-296, IP-3000, OM-200, TTL signal output detectors		
Object of measurement	Ignition coil, primary/secondary ignition cables, ECU rotation pulses (5-V)		
Calculation method	Cycle calculation method		
Measurement time	Within 1 s + the time required for one cycle		
Display	5-digit LCD, with backlight (character height: 10.2 mm)		
Display update time	1 ± 0.2 s		
Measurement units	r/min (when the IP-292, IP-296, IP-3000, or OM-200 detector has been selected)		
	r/min, r/s, m/min, ms, COUNT (when a TTL signal output detector has been selected)		
Measurement ranges		IP-292, IP-296, IP-3000, OM-200	TTL signal output detector
	r/min	120 to 20000	100 to 99999
	r/s	—	1.66 to 999.99
	m/min	—	0.3 to 9999.9
	COUNT	—	0 to 99999
	ms	—	0.6 to 300.0
Measurement accuracy	*The number of pulses per rotation (0.5 to 200.0 P/R) is freely selectable.		
	Displayed value * x (±0.02%) ± 1 count * The displayed value is the count value excluding figures after the decimal point. The measurement accuracy of the line speed depends on the rotational (r/min) accuracy.		
Measurement functions	Peak hold function	Maximum value (MAX), minimum value (MIN)	
	Memory function	20 data (MAX)	
	Over-range function	The over-range alarm (ERROR mark) is displayed when the measured value exceeds the display range.	
	Rotation upper limit alarm function	The upper limit alarm (1 mark) is displayed when the number of rotations exceeds the preset upper limit value.	
	Line speed calculation function	Calculates the line speed from the preset diameter value (mm) and the measured number of rotations	
	Accumulating function	Provides a cumulative count of the input signal pulses	
	Cycle measurement function	Measures the input pulse cycle (however, when the cycle is less than 1 s, measures the mean value of the input pulses)	
	Trigger level adjustment function	A rotary dial at the right-hand side of the device is used to adjust the trigger level.	

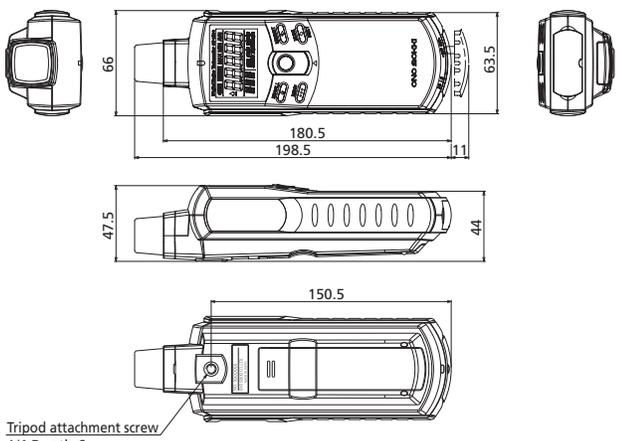
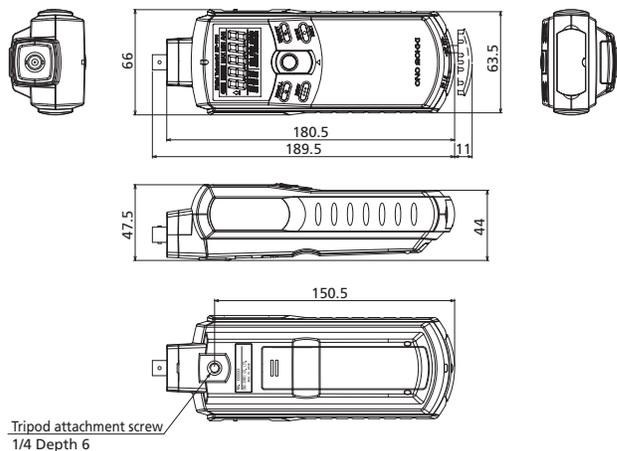
Output section	Analog output	Description of output function	Output with respect to the displayed rotation values	
		Output voltage	0 to 1 V/0 to FS (FS is freely selectable)	
		Conversion method	10-bit D/A conversion	
		Linearity	±1%/FS	
		Output update time	Within 50 ms + the time required for 1 cycle	
	Monitor output	Description of output function	Analog output for monitoring purposes after waveform reshaping of the sensor signal	
		Load resistance	At least 100 kΩ	
		Pulse output	Output voltage	Hi level: At least +4.5 V Lo level: Up to +0.5 V
			Output logic	Positive logic
			Load resistance	At least 100 kΩ
General specifications	Power source	Four AAA alkaline batteries or exclusive AC adapter (PB-7080, Option)		
	Battery life	At least 16 hours (when the backlight is OFF) At least 8 hours (when the backlight is ON)		
	Low battery alarm indicator	A low battery alarm (LOW mark) is displayed when the battery voltage falls below 4.4 V.		
	Operating temperature range	0 to 40°C		
	Storage temperature range	-10 to 50°C		
	Outer dimensions	189.5 (W) x 47.5 (H) x 66 (D) mm		
	Weight (including batteries)	Approx. 280 g		
Accessories	AAA alkaline batteries	4	Carrying case	1

Options (sold separately)

For the SE-2500	Engine rotation detector VP-201 		AC adapter PB-7080 	Signal cable (For both analog and pulse output signals) AX-501 
	Ignition detector IP-292 	Ignition detector IP-296 		
For the HT-6100	Ignition detector IP-3000 	Electromagnetic detector OM-200 	Magnetic stand/Stand jig HT-0522/0521A  <small>(shown with tachometer mounted)</small>	Tripod LA-0203A 

External diagrams

(Unit: mm)

<p>▼ SE-2500</p> 	<p>▼ HT-6100</p> 
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*Outer appearance and specifications are subject to change without prior notice.

URL: <http://www.onosokki.co.jp/English/english.htm>

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