

Diesel Engine Tachometer GE-1400

For diesel engine measurement applications

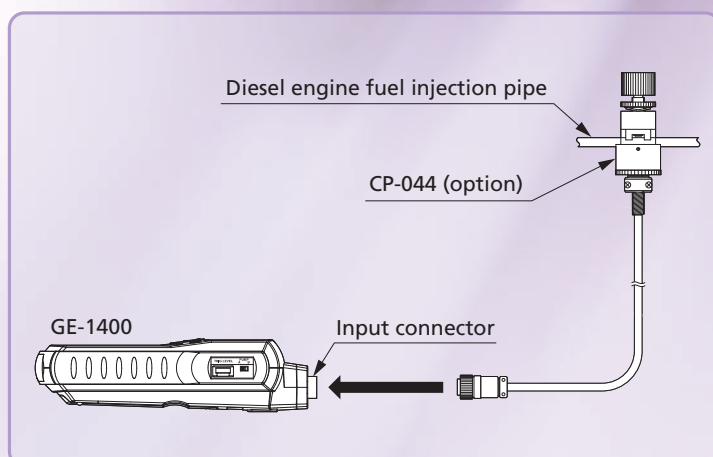
Discontinued
(Reference only)



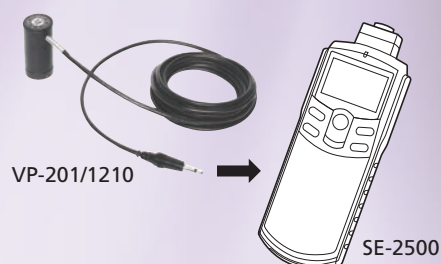
Features

- 1 Measurement is made with an exclusive detector (sold separately)**
Only by clamping the CP-044 detector to a fuel injection pipe.
- 2 Three outputs—analogue, 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 Large LCD with backlight**
(Character height: 10.2 mm)
- 4 Built-in memory function**
20 data (MAX.) can be saved to memory.
- 5 Trigger adjustment function provided**
- 6 Can be mounted on a tripod**
The tachometer can be fixed to a tripod for continuous measurement.

Measurement method



An example of engine rotation measurement by vibrations (SE-2500)



* Measurement of diesel engines can be performed with the combination of these two devices.

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Specifications

Applicable engines	Four-cycle diesel engines	Output section	Pulse output	Output voltage	High level: At least +4.5 V Low level: Up to +0.5 V
Detection method	Detection of the pulsation generated by the injection pipe at the time of fuel injection		Output logic	Output logic	Positive logic
Compatible detector	CP-044 (sold separately)		Load resistance	Load resistance	At least 100 kΩ
Calculation method	Periodic operation method	General specifications	Power source	Power source	Four AAA batteries or exclusive AC adapter (PB-7090, sold separately)
Measurement time	1s + the time required for 1 period or less		Battery life	Battery life	At least 16 hours (when the backlight is OFF) At least 8 hours (when the backlight is ON) * When alkaline batteries are used at 20°C
Display	5-digit LCD, with backlight (character height: 10.2 mm)		Low battery alarm indicator	Low battery alarm indicator	A low battery alarm (LOW mark) is displayed when the battery voltage falls below 4.4 V.
Display update time	1 ± 0.2 s		Operating temperature range	Operating temperature range	0 to +40°C
Measurement units	r/min, r/s		Storage temperature range	Storage temperature range	-10 to +50°C
Measurement range	400 to 8000 r/min (When r/s is used as a unit, the measurement range will be obtained by dividing the r/min numerical value by 60.)		Outer dimensions	Outer dimensions	186.5 (W) x 47.5 (H) x 66 (D) mm
Measurement accuracy	Displayed value x (±0.02 %) (Not including a quantization error)		Weight (including batteries)	Weight (including batteries)	Approx. 280 g
Measurement functions	Memory function	Analog output	Accessories	Accessories	Signal cable (AX-501) 1 Type AAA batteries 4 Carrying case 1
	Over-range function				
	Rotation upper limit alarm function				
	Trigger level adjustment function				
Output section	Description of output function	Monitor output			
	Output voltage				
	Conversion method				
	Linearity				
	Output update time	Load resistance			
	Temperature stability				
	Setting error				
	Load resistance				

Note: Please refer to an instruction manual for the operating procedures.

CP-044 Specifications

*Option (sold separately)

Applicable engines	Diesel engines
Detection method	A piezoelectric element is used to detect pulsation at the time of fuel injection
Applicable pipe diameter	ø4 to 8 mm
Piezoelectric element withstand compressive pressure	1,960 bar
Measurement range	400 to 6000 r/min
Operating temperature range	0 to +80°C
Weight	Approx. 120 g
Output cable length	Approx. 4.9 m

Options (sold separately)

Diesel engine rotation detector
CP-044



(The CP-044 is required for the GE-1400.)

AC adapter
PB-7090



Signal cable
(For both analog and pulse output signals)
AX-501



Magnetic stand/Stand jig
HT-0522/0521A



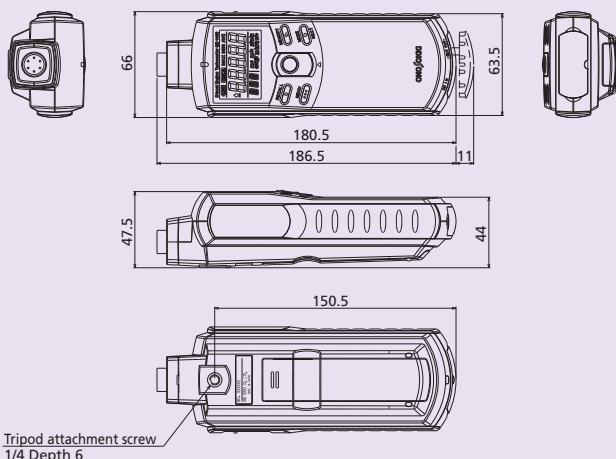
(Shown with tachometer mounted)

Tripod
LA-0203C



Outer dimensions

(Unit: mm)



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