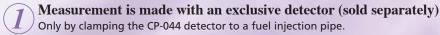
Diesel Engine Tachometer

GE-1400

For diesel engine measurement applications

Features



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 Large LCD with backlight (Character height: 10.2 mm)

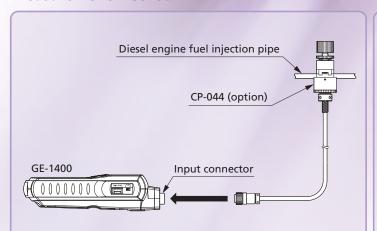
Built-in memory function
20 data (MAX.) can be saved to memory.

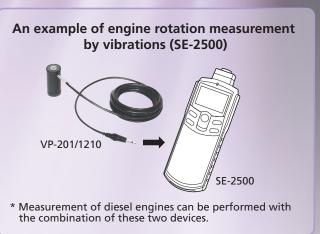
Trigger adjustment function provided

6 Can be mounted on a tripod

The tachometer can be fixed to a tripod for continuous measurement.

Measurement method









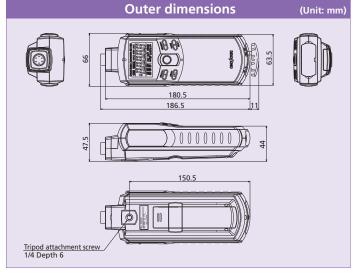
			Specifi	c
Applicable engines			Four-cycle diesel engines	I
Detection method		od	Detection of the pulsation generated by the injection pipe at the time of fuel injection	
Compatible detector		ector	CP-044 (sold separately)	L
Calculation method		:hod	Periodic operation method	ı
Measur	Measurement time		1s + the time required for 1 period or less	.
Display	Display		5-digit LCD, with backlight (character height: 10.2 mm)	.
Display	update	time	1 ±0.2 s	П
Measur	ement u	inits	r/min, r/s	.
Measur	ement 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.)	9
Measurement accuracy		ccuracy	Displayed value x (±0.02 %) (Not including a quantization error)	.
	Mer	nory function	20 data (MAX.)	.
Measur	Ove	r-range function	The over-range alarm (ERROR mark) is displayed when the measured value exceeds the display range.	
ment functio		ation upper t alarm function	The upper limit alarm († mark) is displayed when the number of rotations exceeds the preset upper limit value.	1
		ger level adjustment	A rotary dial at the right-hand side of the device is used to adjust the trigger level.	
		Description of output function	The output corresponds to the displayed number of rotations	
		Output voltage	0 to 1 V/0 to FS (FS can be specified.)	
		Conversion method	10-bit D/A conversion	ŀ
	Analog	Linearity	±1%/FS	П
Output	output	Output update time	50ms + the time required for 1 period or less	ı
section		Temperature stability	±0.05%/FS/°C (span & zero)	
		Setting error	±0.5%/FS	ŀ
		Load resistance	At least 100 kΩ	ŀ
	Monitor	Description of output function	The external sensor signal which was reshaped to a waveform (analog output for monitoring purpose)	-
	output	Load resistance	At least 100 kΩ	.[

ications						
	Output section	Pulse output	Output voltage	High level : At least +4.5 V Low level : Up to +0.5 V		
			Output logic	Positive logic		
			Load resistance	At least 100 $k\Omega$		
	General specifi-	Power source		Four AAA batteries or exclusive AC adapter (PB-7090, sold separately)		
		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		
		Low battery alarm indicator		A low battery alarm (LOW mark) is displayed when the battery voltage falls below 4.4 V.		
1		Operating temperature range		0 to +40°C		
1	cations	Storage temperature range		-10 to +50°C		
		Outer dimensions		186.5 (W) x 47.5 (H) x 66 (D) mm		
		Weight (including batteries)		Approx. 280 g		
		Accessories		Signal cable (AX-501) 1 Type AAA batteries 4 Carrying case 1		
П	Note Note to the Control of the Cont					

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

4	CP-044 Specifications *	Option (sold separately)
4	Applicable engines	Diesel engines
1	Detection method	A piezoelectric element is used to detect pulsation at the time of fuel injection
1	Applicable pipe diameter	ø4 to 8 mm
1	Piezoelectric element withstand compressive pressure	1,960 bar
1	Measurement range	400 to 6000 r/min
1	Operating temperature range	0 to +80°C
	Weight	Approx. 120 g
1	Output cable length	Approx. 4.9 m







ONO SOKKI

WORLDWIDE ONO SOKKI CO., LTD.

E-mail: overseas@onosokki.co.jp

 \star Outer appearance and specifications are subject to change without prior notice. URL: http://www.onosokki.co.jp/English/english.htm

U.S.A.

Ono Sokki Technology Inc. 2171 Executive Drive, Suite 400 Addison, IL. 60101 U.S.A. Phone: +1-630-627-9700

: +1-630-627-0004 E-mail: info@onosokki.net http://www.onosokki.net

THAILAND

Ono Sokki (Thailand) Co., Ltd.

Nonthaburi 11120, Thailand Phone: +66-2-584-6735 Fax: +66-2-584-6740

E-mail: osth_sales@onosokki.co.jp

INDIA

Ono Sokki India Private Ltd.

1/293-4 Moo.9 T.Bangphud A.Pakkred Unit No. 4B, Ground Floor, Tower-A, Spazedge,

Sector47, Gurgaon-Sohna Expressway, Gurgaon, Haryana-122002, INDIA
Phone: +91-124-421-1807
Fax: +91-124-421-1809 E-mail: osid@onosokki.co.in

P.R.CHINA

Ono Sokki Shanghai Technology Co., Ltd. Room 506, No.47 Zhengyi Road, Yangpu

District, Shanghai, 200433, P.R.C. Phone: +86-21-6503-2656 Fax: +86-21-6506-0327 E-mail: admin@shonosokki.com