Gasoline Engine Tachometer SE-2500

For gasoline engine measurement applications

Features

1 Capable of performing measurement at a distance of 1 m when the external sensor (IP-2800) is used

Makes engine rotation measurement from vibrations by using the VP-201/1210 (sold separately)

Measurement can be performed in 1 r/min or 0.01 r/s units

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.

Large LCD with backlight (Character height: 10.2 mm)

Measurement method

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

Can be mounted on a tripod The tachometer can be fixed to a tripod for continuous measurement. ονογοκκι

Perform measurement at the distance where the indicator begins to flash (detection range: 10 to 200 mm) Ignition coil Ignition



Specifications									
Applicable engines		Gasoline engines, 2-cycle (1, 2, 3, 4 cylinders); 4-cycle (1, 2, 3, 4, 5, 6, 8, 10, 12 cylinders)			Output section	Analog output	Description of output function	The output corresponds to the displayed number of rotations	
Detection method		Electromagnetic induction					Output voltage	0 to 1 V/0 to FS (FS can be specified.)	
Detection distance		10 to 200 mm					Conversion method	10-bit D/A conversion	
Object of measurement		Ignition coil					Linearity	±1%/FS	
Calculation method		Periodic operation method					Output update time	50ms + the time required for 1 period or less	
Measurement time		1s + the time required for 1 period or less					Temperature stability	±0.05%/FS/°C (span & zero)	
Display		5-digit LCD, with backlight (character height: 10.2 mm)					Setting error	±0.5%/FS	
Display update time		1±0.2 s					Load resistance	At least 100 kΩ	
Measurement units		r/min, r/s		Monitor		Description of output function	The external sensor signal which was reshaped to a waveform (analog output for monitoring purpose)		
Measurement ranges		2-cycle	4-cycle	120 to 2000	-	output	Load resistance	At least 100 kΩ	
		l cylinder	2 cylinders	120 to 20000		Pulse output	Output voltage	High level : At least +4.5 V Low level : Up to +0.5 V	
			3 cylinders	120 to 20000			Output logic	Positive logic	
		2 cylinders	4 cylinders	120 to 20000			Load resistance	At least 100 kΩ	
		_	5 cylinders	120 to 20000		Power source		Four AAA batteries or exclusive AC adapter (PB-7090, sold separately)	
		3 cylinders	6 cylinders	120 to 15000				At least 32 hours (when the backlight is OFF)	
		4 cylinders	8 cylinders	120 to 12000		Batter	/ life	At least 8 hours (when the backlight is ON)	
		_	10 cylinders	120 to 10000		Low battery alarm indicator		A low battery alarm (LOW mark) is displayed when	
			12 cylinders	120 to 8000				the battery voltage falls below 4.4 V.	
		(When r/s is used as a unit, the measurement range will be obtained by dividing the r/min numerical value by 60.)			General specifi- cations	Operat	ing temperature range	0 to +40°C	
Measurement accuracy		Displayed value x (±0.02 %)				Storag	e temperature range	-10 to +50°C	
		(Not including a quantization error)				Outer	dimensions	198.5 (W) x 47.5 (H) x 66 (D) mm	
Measure- ment functions	Memory function	20 data (MAX.)				Weight	t (including batteries)	Approx. 300 g	
	Over-range function	The over-range alarm (ERROR mark) is displayed when the measured value exceeds the display range.				Accessories		Ignition detector (IP-2800) 1 Type AAA batteries 4	
	Rotation upper limit alarm function	The upper limit alarm (†mark) is displayed when the number of rotations exceeds the preset upper limit value.			* Pleas	Carrying case I Please refer to an instruction manual for the operating procedures.			
	Sensitivity adjustment function	A rotary dial at the right-hand side of the device is used to adjust the sensitivity.			* The measurement may not be performed normally depending on type of an engine or other reason. Please contact your nearest distributor for more details.				





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

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