

Troubleshooting (Engine tachometers)

Symptom	Possible cause	Workaround
Nothing is displayed on the LCD screen.	Out of battery.	Please buy a new one as the battery cannot be replaced. ※Only the battery of the PET-1200 can be replaced.
	The ignition pulse is not being received.	Double-check the procedures for taking measurements. ※Please see the FAQ section of our home page or the product instruction manual.
	Malfunction	Please contact the store where you purchased the product to request repairs.
The RPM is not displayed.	The ignition pulse is not being received.	Double-check the procedures for taking measurements. ※Please see the FAQ section of our home page or the product instruction manual.
	It has stopped working for some reason.	Press the RESET button. For models without a reset function, please contact the store where you purchased the product to request repairs.
	The antenna lead is disconnected.	Either use without the antenna lead or buy just an antenna lead.
	Malfunction	Please contact the store where you purchased the product to request repairs.
The RPM indicated is unstable (normally the engine RPM varies by approximately ± 100 to 300 rpm).	When using contact-free, the distance between the tachometer and the spark plug cables is too close.	Measure at a distance of between 5 and 15 cm from the spark plug cables in a location where the indicated RPM is stable. ※Normally the engine RPM varies by approximately ± 100 to 300 rpm.
	If using with the antenna lead wrapped around the spark plug cables, it is wrapped too many times, or the ignition pulse is too strong and cannot be measured properly.	Reduce the number of wraps. The normal number of wraps is between 3 & 5, but it may vary with the strength of the ignition pulse.
	Malfunction	Please contact the store where you purchased the product to request repairs.

<p>The RPM displayed is too high.</p>	<p>The measurement position does not match the ignition system of the engine. (It may be set to 1/2 the cylinder number measurement position.)</p>	<p>Double-check that the measurement position matches the ignition system of the engine. For 4-cycle, 1-cylinder engines, please see the FAQ section of our home page.</p>
	<p>When using contact-free, the distance between the tachometer and the spark plug cables is too close.</p>	<p>Measure at a distance of between 5 and 15 cm from the spark plug cables in a location where the indicated RPM is stable. ※Normally the engine RPM varies by approximately ± 100 to 300 rpm.</p>
<p>The RPM displayed is too low.</p>	<p>The measurement position does not match the ignition system of the engine. (It may be set to double the cylinder number measurement position.)</p>	<p>Double-check that the measurement position matches the ignition system of the engine.</p>
	<p>If measuring a multi-cylinder engine, the ignition pulses from all the spark plug cables are not being received.</p>	<p>Please see “1. Receiving ignition pulses” in the FAQ section on the Support page of our home page.</p>
	<p>When using contact-free, the distance between the tachometer and the spark plug cables is too far apart.</p>	<p>Measure at a distance of between 5 and 15 cm from the spark plug cables in a location where the indicated RPM is stable. ※Normally the engine RPM varies by approximately ± 100 to 300 rpm.</p>
	<p>If measuring a multi-cylinder engine, the signals from all the spark plug cables are not being received. (The contact-free method cannot be used with multi-cylinder engines.)</p>	<p>If measuring a multi-cylinder engine, make sure the antenna lead is wrapped at least one time around the spark plug cable of each cylinder and try measuring again.</p>
	<p>If an antenna lead is being used and it touches something metal, the received pulse is lost.</p>	<p>Wire so the antenna lead does not touch anything metal.</p>
	<p>If using with the antenna lead wrapped around the spark plug cables, it is wrapped too few times, or the ignition pulse is too weak and cannot be measured properly.</p>	<p>Increase the number of wraps. The normal number of wraps is between 3 & 5, but it may vary with the strength of the ignition pulse.</p>
<p>The display of the LCD is blank.</p>	<p>There is too much noise or it is malfunctioning.</p>	<p>If using contact-free, measure at a distance of between 5 and 15 cm from the spark plug cables in a location where the indicated RPM is stable. ※Normally the engine RPM varies by approximately ± 100 to 300 rpm.</p>
		<p>If using by wrapping the antenna lead, reduce the number of wraps. The normal number of wraps is between 3 & 5, but it may vary with the strength of the ignition pulse.</p>
	<p>Malfunction</p>	<p>Please contact the store where you purchased the product to request repairs.</p>