

Signal Pick Up

INTRODUCTION

This instrument is designed to be used with automotive meter or oscillograph. It can be used in the adjustment and diagnosis of automotive engine.

FEATURE

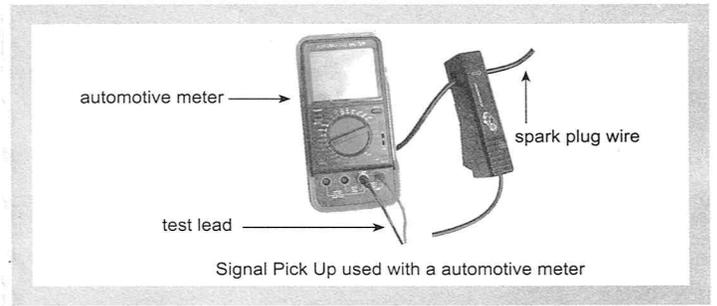
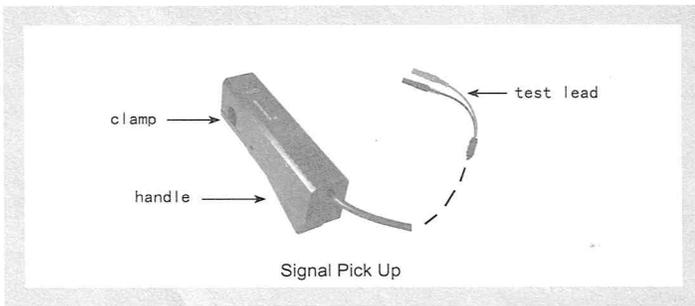
Using this instrument and an automotive meter, you can accurately measure dwell angle and engine's rotation speed (RPM).
Using this instrument and an oscillograph, you can observe the engine's ignition-pulse wave shape.
Easy to use.

SPECIFICATION

Operating temperature: -10°C to 60°C, with relative humidity < 80%
Dimensions: 32 X 70 X 146mm
Weight: about 200g

OPERATING INSTRUCTION

1. Connect the clamp to a spark plug wire with the mark " → " on the instrument pointing to the spark plug.
2. Connect the red and black test leads of the instrument to the input terminals of the automotive meter.
Set the automotive meter in corresponding measuring range.
Then you can read the value on the display. If no reading is received, unhook the clamp, turn it over and connect again.



NOTE

1. Position the Signal Pick Up as far away from the distributor and the exhaust manifold as possible.
2. The distance between the spark plug and the clamp of the unit must be less than 10cm during test.
3. The black test lead of this unit should be connected to "COM" jack when you connect the test leads to automotive meter.
4. Figure 1 is an illustration for a independent cycling ignition 4-cylinder ignition system.

To perform measurements, set the rotary switch of the automotive meter to the "4 CYL" range position.

If the instrument clamps the "V" high-voltage line (coil wire), which is between the coil and distributor (6), the reading on the automotive meter's display is the actual RPM value of the engine.

If the instrument clamps any ignition line I, II, III, or IV (spark plug wire), which is after the distributor, the reading on the automotive meter's display is obtained by multiplying the spark plug wire reading by the number of cylinders, to obtain the RPM value.

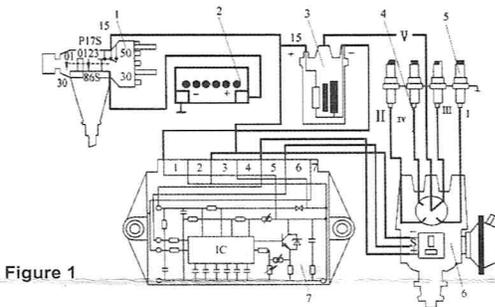


Figure 1

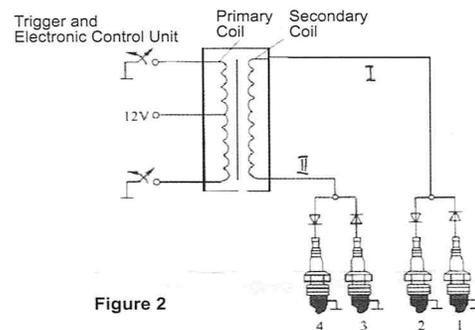


Figure 2

Figure 2 is an illustration for a 4-cylinder ignition system of grouping ignition. To perform measurements, set the rotary switch of the automotive meter to the "4 CYL" range position. When the instrument clamps any ignition line I or II, the reading on the automotive meter's display is one half of the actual RPM value of the engine.

DISPOSAL OF THIS ARTICLE

Dear Customer,
If you at some point intend to dispose of this article, then please keep in mind that many of its components consist of valuable materials, which can be recycled.
Please do not discharge it in the garbage bin, but check with your local council for recycling facilities in your area.

