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FLUKE®

RPM 90 Inductive Trigger Pickup

Instruction Sheet

INTRODUCTION

The RPM90 is an Inductive Trigger Pickup used with the Automotive ScopeMeter® test tool to enable RPM measurements and secondary ignition measurements on a selected cylinder.

SPECIFICATIONS

Current Range: 0 to 20 amperes

Accuracy: 5%

Maximum RPM:

16000 RPM @ 4 stroke/ 4 cylinder
8000 RPM @ 2 stroke/ 1 cylinder

Cable length: 3 meters (120 inches)

Cable material: heat-resistant
neoprene insulated



4 8 2 2 8 7 2 0 0 8 2 3

SAFETY PRECAUTIONS



WARNING

To avoid electrical shock, fire, or personal injury:

- Measure only on operator accessible insulated cables.
- Connect the ground to the vehicle chassis.
- Keep cables away from rotating parts or belts.

MEASUREMENT INSTRUCTIONS



WARNING

The ignition system can create a potential shock hazard. Ensure that the engine is off before you connect or remove the inductive pickup.

To obtain optimal performance, always connect the ground of the Inductive Trigger Pickup to the vehicle chassis. To avoid mistrigger,

be sure that you keep the Pickup cable away from the other High Tension leads. Use the setup shown in Figure 1.

CLEANING

Periodically wipe the Inductive Trigger Pickup with a damp cloth and detergent. Do not use abrasives or solvents. Open the jaws and wipe the magnetic pole pieces with a lightly oiled cloth.

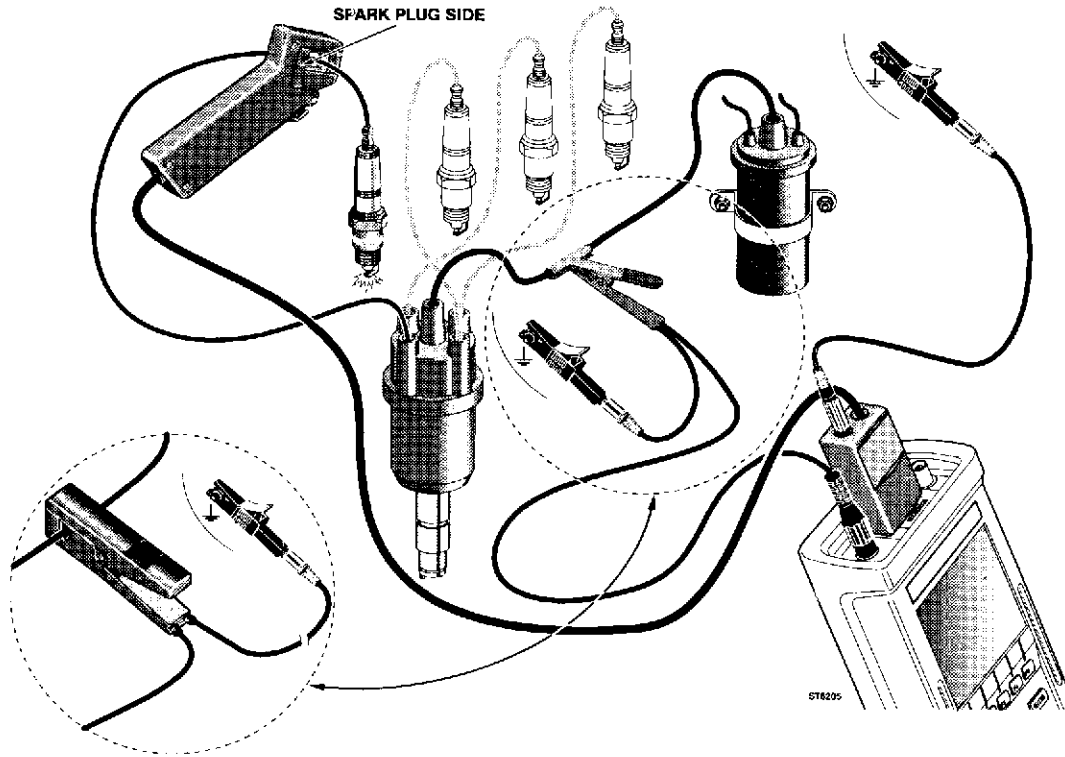


Figure 1 Measuring Setup on a Selected Cylinder using the PM9096/101 and RPM90