

TS-1A Tachometer Calibrator and Exerciser Owners Manual

TS-1 unit

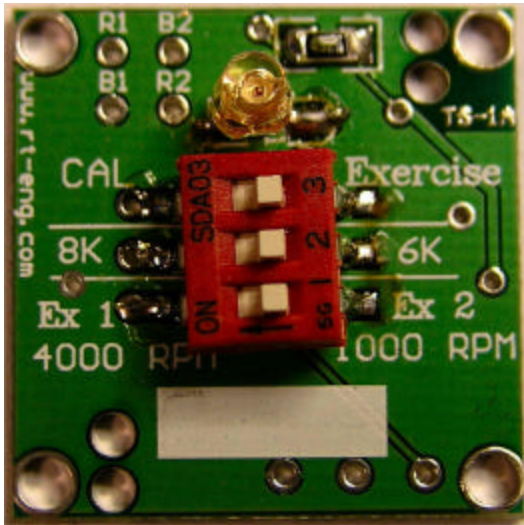


Figure 1

The Calibrator has three selection switches

See figure 1

The top switch will select between the Calibrate or meter Exerciser mode.

The middle switch is used to limit the maximum RPM sweep. When the TS-1A is hooked to a 6K tach, and in the exercise mode. The switch should be set to 6K to prevent excessive pointer swing.

The bottom switch will select one of two fixed RPM'S\ for output when in the Calibration mode.

Or

A slow sweep (Ex 1) or faster sweep (EX 2), when in the exercise mode.

Tachometer hook-up

The black wire is ground and connects to the tachometer case.

The **red** wire supplies +12V power and hooks to the long input screw on the tachometer back.

The **green** wire supplies the points signal and hooks to the short input screw on the tachometer back.

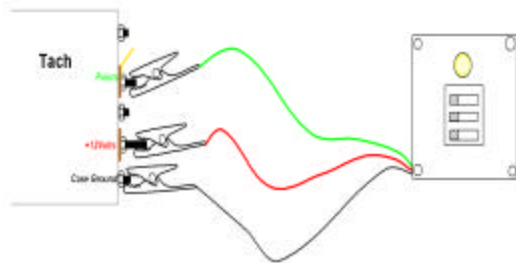


Figure 2

Power on

There is no on-off switch. When the TS-1A is connected to a power source, it is operational.

Batteries

Two 9Volt batteries will power it and a tachometer hookup for up to eight hours. Remember to disconnect the batteries when the unit is not in use.

Wall Adapter

For longer power on times (such as using the exerciser function, to polish the meter bearings) a 12V wall adapter should be used.

For hookup see figure 3
A **red dot** on one of the battery clips from TS-1A indicates where the wall adapter's positive snap attaches. Connect the other battery clip to the remaining wall adapters snap.

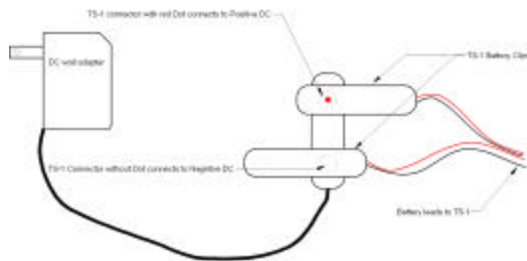


Figure 3

Where to get a wall adapter

It can be purchased from RT-Eng. Or if you have an old +12V unregulated adapter you can make your own.

Details on how to make an existing wall adapter connect to the TS-1A will be posted on the web site. See www.rt-eng.com