

## DT-6E OPERATING INSTRUCTIONS

### BATTERY INSTALLATION

(Use any good quality standard 9V battery)

A. Remove the screws from the top and bottom of the rear cover.

B. Slide the cover up the input pigtails to allow access to the battery holder. Do not bend or twist the pigtails unnecessarily.

C. Insert the battery into the retaining spring clip observing proper polarity. Then use a screwdriver or similar object inserted between bottom end of the battery and the side of case to slide the battery forward until the battery connections are engaged.

D. Replace the rear cover and screws.

#### BATTERY CONDITION:

With a fresh, good quality battery, your instrument should operate approximately 50 hours. When it is time to replace the battery, the words "LO BAT" will appear in the upper left corner of the display.

(Your instrument will continue to operate normally for approximately 2 hours after the "LO BAT" indication appears.)

### TACH SENSOR INSTALLATION

A. Clamp or tie-rop the end of the tach sensor to a plug wire, near the spark plug end. Try to keep the end of the sensor parallel to the plug wire, and route the cable as far away from the coil as possible.

B. Route the sensor cable from the motor to the rear of your instrument and plug into the pigtail with the "push on" type connector.

For best results, keep the tach sensor cable separated as much as possible from any other cables running to your instrument.

All DIGATRON tachometers read in R.P.M.s' x 1000. A displayed number of 5.34 is equivalent to 5340 R.P.M. Resolution is to the nearest 10 R.P.M.

### C.H.T. SENSOR INSTALLATION

A. Remove the spark plug from the cylinder you wish to monitor and discard the plug washer.

B. Check the surface of the head around the spark plug hole for flatness and a smooth finish, to assure a good seal when the sensor is installed.

C. Position the sensor over the spark plug hole, and check to be sure you have sufficient clearance around the outside of the sensor body to avoid damage when the plug is installed and tightened. (May require some minor machining on some installations.)

D. Install the spark plug finger tight to hold sensor in position. Finish tightening with a plug wrench to the same torque as normally recommended. (Be careful not to allow the sensor to turn as you tighten the plug as the sensor is easily damaged if it is forced into a cooling fin.)

E. Route the sensor cable from the motor to the back of your instrument. Connect the sensor cable to the pigtail from instrument with the "screw-on" type connector. Secure the cable to the frame of the kart with tie-raps or duct tape to keep it away from any moving parts. For best results, keep the sensor cable as far away from the plug wire and coil as possible.

Cylinder head temperatures usually run in the 300° F. to 475° F. range. The best way to determine the correct temperature for your particular motor is to tune for proper plug or piston color and then observe what the head temperature is for various throttle settings and atmospheric conditions.

**NOTE:** Temperatures of 500° F. or over will damage your temp sensor.

If you are running at or over 500° you should use one of our EGT instruments with a thermocouple type cylinder head temp sensor. ( **P/N TT-102** ) This sensor installs under the plug like the SS-102 but can be used without damage at much higher temperatures.

### REPAIRS

Your instrument is warranted to be free from factory defects and electronic failure for a period of one year from date of purchase. Physical damage during normal usage is not covered under the warranty. Be sure to fill out and return your warranty card for our records. If you do not have a card on file for your instrument, repairs will be charged for unless you can provide us with proof of purchase date.

When returning an instrument to us for repair, be sure to enclose a note indicating your return address and a good description of the problem. If you are not sure whether the problem is in your instrument or your sensors, return both so we can check the complete system.

If you need your instrument back in time for a specific race be sure to include the date you need it, and we will do our best to get it back to you in time. Repairs will normally be completed within ten working days.

Send your instrument for repair directly to:

**DIGATRON**

**8102 N. Freya Street**

**Spokane, WA 99217**

Phone: (509) 467-3128

Fax: (509) 467-2952