

INSTRUCTIONS

CAT. # 2DA9-8A-2/6 CHT/TACHOMETER

RPM 0-8000.
FOR USE ON 2 IMP
LIGHTING COIL or
6 IMP DUCATTI IGN.
CHT/48 INCH TYPE J THERMOCOUPLE

! IMPORTANT !

This system is factory calibrated at 75 deg. F. The indicator measures the temperature difference between the hot end (PROBE) and the pin terminals on the other end of the thermocouple. (COLD JUNCTION).

For COLD JUNCTION temperature of 75 deg. The indicator will read the true temperature of the PROBE end of the thermocouple.

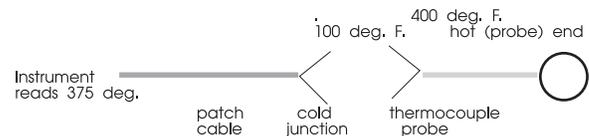
For COLD JUNCTION temperatures HIGHER than 75 deg. The indicator will read one deg. LOW for each deg. above 75 deg.

For COLD JUNCTION temperatures LOWER than 75 deg. The indicator will read one deg. HIGH for each deg. below 75 deg.

This thermocouple "error" is a normal characteristic of self powered thermocouple systems. If possible, locate the thermocouple COLD JUNCTION connection to patch cable away from heat (or extreme cold) to minimize thermal "error".

When the COLD JUNCTION is 100 deg. and the system is calibrated at 75 deg., that means the COLD JUNCTION is 25 deg. high and the indicator will read 25 deg. low. See example in illustration.

SAMPLE



This tach. uses the A.C. signal from the lighting coil or the grey lead on ducatti ign.

Calibrated for 2/6 IMP. per/rev. if unit is used on ducatti ign. then cut the loop wire on the rear of the instrument. Do not connect tach to pulse or trigger coils.

Maximum input voltage is 30 volts A.C.

For lighting order light kit # 186-12A2.

This unit has not been approved for type certified aircraft.

On most engines connect to the yellow/yellow black or the green/green black wires. With ducatti ign. connect to the grey lead and ground.

Install the instrument in a 2 1/4 inch hole for behind panel or (2 1/16 inch hole for in front of panel) in convenient operating place at least 12 inches from compass. Use 4 corner screws to hold in place.

On the rear of the instrument there are connecting pins with corresponding numbers.

Use patch cable provided to connect the instrument to the appropriate power source. Install the CHT sender under the spark plug of the leanest cylinder or in the bayonet port if supplied on engine.

For use on ducatti ign. Connect pin #2 to the grey lead. Connect pin #5 to engine ground. If tach reads 3 times the actual rpm then cut the loop wire.

For use on lighting coil. Connect pin #2 to one of the lighting coil leads. Connect pin #5 to the other lighting coil lead. If one of the lighting coil leads are grounded then connect pin #5 to that lead. The loop wire is usually not cut. If your engine is equipped with two lighting coils use the lower wattage coil to operate tachometer. This will allow the higher wattage coil to be used for lights etc. Connect pin #3 to the white and pin #4 to the black thermocouple leads. Slide protective tubing over leads to prevent shorting. If no cht reading reverse connections. See illustration.

Patch cable may be lengthened with out affecting accuracy of the unit. Using 20-22 gauge wire is

WARRANTY

WESTACH INSTRUMENTS are made with the highest quality material and workmanship. With reasonable care, instruments will give long and satisfactory service. WESTACH INSTRUMENTS are guaranteed against defective material and workmanship for 12 months from the manufacturing date. For complete details go to www.westach.com



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