

Electronic Cal.

The probe length is determined by the depth of the tank and the owners decision as to the amount of fuel to be kept in reserve. Probes are supplied in increments of one foot. The user trims back the probe to the depth determined, using a tubing cutter.

If a probe location requires the probe to be bent, a bendable probe must be used, as standard probes must not be bent. The bendable area of the probe is marked by a line on the tube below the mounting flange. (Bend the tube only in this area. Do not bend the area between the mark and the open end of the probe this must remain straight). The mark represents the full level of the probe.

Do not use rectifier/regulator to operate system, you must use a battery.

SENSOR PREPARATION

Measure the depth of your tank, from the outside top to the bottom.

Using a tubing cutter, cut the outside tube approximately 1/4" shorter than the measured depth. Remove the outer tube and slide any exposed spacers up inside the tube before cutting the inside tube, using a pair of wire cutters (do not let the inside tube touch the outside tube).

When using a bendable probe, the tube does not have to run straight up and down. It may be more practical to have it run diagonally.

DISCONNECT POWER BEFORE MAKING ANY ELECTRICAL CONNECTIONS

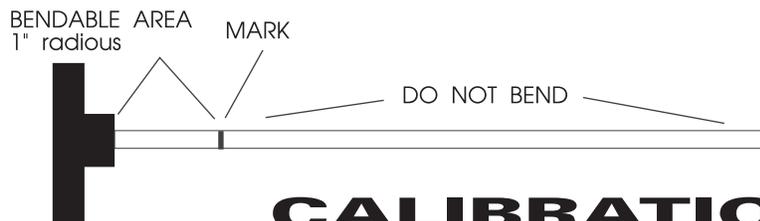
Red - 12 / 24 vdc pos.

Black - Ground

White - to gauge input lead - see gauge instructions

NOTE!

If you bend up then down you will need to drill a small vent hole on the top of the bend to allow the air to escape



CALIBRATION

This is preset at the factory so unless you have cut the probe it will not need to be done.

A. The output range 0-5 VOLTS are factory set and cannot be changed.

Auto calibration for units with "AUTO CAL" stamped on the head

Start with power off

To set E With sender in an empty tank or out of fuel turn on power. The sender will calibrate to E on the gauge

Turn off power

To set F With sender inserted into a full tank of fuel turn on power. The sender will calibrate F on gauge

Manual calibration:

B EMPTY LEVEL

The empty level is factory set for the length of probe. If you cut the probe the empty will have to be re calibrated.

1. With the sender out of the tank (or tank empty) and all wires connected and power off.

2. Jump the white send lead to ground and turn on power. count 10 seconds and remove the jumper. The pointer will fluctuate between empty and full then settle on empty.

C. FULL LEVEL

1. The full level can be adjusted with the sender in a tube full of fuel to the full level of the sender or in a full tank of fuel.

2. With power off jump the white send wire to ground, turn on power count 20 seconds then remove jumper. The pointer will fluctuate between empty and full then settle on full.

If the calibration procedure does not work recheck the wiring and make sure it is the correct range of probe for the range of gauge. 0-5 volts etc. retry the calibration procedure above.

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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