

INSTRUCTION MANUAL
MODULE-TANK PROBE-ELECTRONIC
Unisource Part No. 9902-0003

DESCRIPTION

The Electronic Tank Probe Module is mounted in a weatherproof enclosure at the top of the storage bin and communicates with the Indicator Unit. **This weatherproof enclosure must make electrical contact with the storage vessel. Provide a watertight seal between this enclosure and the silo to assure that the Probe Wire remains dry.** The weatherproof enclosure supplied by Unisource has a Liquid-Tight, strain relief, connector installed for routing the wiring to the Indicator Unit. This unit may be used with either the old style meter (analog) or the new LED Indicator Unit. If used with the old style meter unit, a Retrofit Channel Board (P/N 9902-0001) must be installed in that meter unit. (See separate instructions for that unit)

NOTE: The Electronic Tank Probe Module is not to be used where explosion-proof components are required.

INSTALLATION

Turn the Indicator Unit OFF before proceeding.

CAUTION: Remove any static charge that may have developed on the stainless steel probe wire by touching it to the enclosure before connecting wires to the Electronic Module. Ensure that no shorts exist between the +15VDC, DC GND and SIGNAL wires from the Indicator Unit and that all wires are terminated properly before using the system. Incorrect wiring can damage both the Electronic Module and the Indicator Unit.

Connect the wires from the Electronic Module to the wires coming from the Indicator Unit with the Twist-On Wire Connectors (GB-2) supplied as follows: (Older versions will have Butt Splices)

1. Strip 1/2" of insulation from all wires.
2. Connect the +15VDC wire of the cable to the RED wire of the Electronic Module.
3. Connect the DC GND wire of the cable to the BLACK wire of the Electronic Module.
4. Connect the SIGNAL wire of the cable to the WHITE wire of the Electronic Module.

Connect the wires from the Electronic Module to the wires/terminals in the enclosure as follows:

1. Strip 1/2" of the Teflon insulation from the end of the Probe Wire inside the enclosure.
2. Connect the stripped end to the blue wire of the Electronic Module with the wire nut supplied.
3. Connect the Green wire (with spade terminal already attached) from the Electronic Module to the GROUND SCREW of the enclosure.

CALIBRATION

This Electronic Module is calibrated and sealed at the factory and needs no further adjustment.

NOTE: This Electronic Module will not work with the old amplifier module (P/N 102321) in the old style meter (analog) unit.