

Electric Tank Transmitter Model 2-501



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Leverage Float and Arm Type

Description: The float and arm type transmitter model 2-501, utilizes the time proven mechanical advantage obtained when motion is transmitted through a fulcrum pivot. The use of the leverage float and arm arrangement provides for more power than required to actuate the linkage to the sealed potentiometer above and outside the tank. The slightest change in the float position instantaneously actuates the potentiometer, varying the resistive signal to a remote analog or digital indicator. Being a float operated device its reliability and accuracy is unaffected by variation of the liquid specific gravity. The power obtained by the float and arm leverage action permits its use on viscous liquids such as #6 oil.

Material: The standard transmitter is constructed of aluminum parts contacting the liquid. It is supplied with a seal that isolates the potentiometer housing, above the tank, from the liquid vapors or fumes. The float is a nitro-cellulose cylinder suitable for most liquids. Transmitters are available in most other materials as may be specified. Pneumercator is not responsible for selection.

Installation

The installation is easily accomplished by installing through the appropriate tank opening and attaching to the tank. The transmitter may be mounted on a standpipe extending above the tank, provided the company is informed prior to fabrication. Electrical adjustments if required, are made at the indicator. The tank unit is pre-set and no adjustments should be necessary. Standard electrical wiring and wiring practices should be followed. The low voltage wiring must be run in a separate conduit containing no line voltage. When the tank is underground an access chamber large enough to permit removal and servicing must be provided.

