

Hydrostatic Gauge

P-14A Constant Air Continuous Reading Type

PNEUMERCATOR

Liquid Level Control Systems

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This hydrostatic gauge is based on an adaptation of the hydrostatic principle, air pressure is required to obtain liquid level indication. This is provided by a source of clean dry air.

Installation is readily accomplished in either empty tanks or partially filled tanks. A 2" tank opening is required through which the 3/4" pipe is installed. Once the system has been properly installed, maintenance is practically non-existent. All that is required is an occasional check of the zero position which takes less than a minute.

The hydrostatic gauging system described should be used only on tanks vented to the atmosphere.

Pneumercator hydrostatic tank gauging systems operate on the principle that the pressure at the bottom of the tank varies with the liquid head. The pressure balance which is equal to the tank liquid height is converted into tank contents and indicated on a calibrated dial. These gages are designed to measure liquids having a constant specific gravity in vented tanks. The simple bubble pipe arrangement in the tank is ideal for vertical tanks and those having internal obstructions.

The P-14A has a scale length of 14-1/2" and is to be supplied with a constant source of clean dry air (by customer) to instantly follow tank level changes and automatically indicate capacity on a calibrated dial. Constant air gages can be located up to 1000 feet from the tank.

This gauging system is listed by Underwriters Laboratories Inc., N.Y.C., Board of Standards and Appeals.

