

# Petrometer Corporation

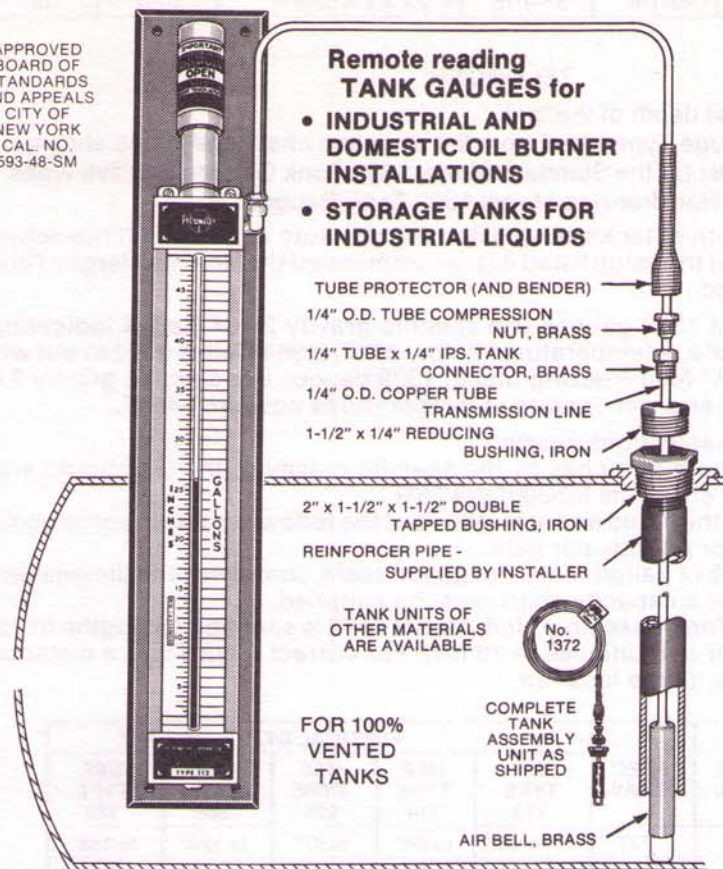
## MODEL 1329

### TANK LIQUID LEVEL GAUGE

BULLETIN 2004-B

DESCRIPTION  
SPECIFICATIONS  
ORDERING DATA

APPROVED  
BOARD OF  
STANDARDS  
AND APPEALS  
CITY OF  
NEW YORK  
CAL. NO.  
593-48-SM



The Model 1329 Petrometer was designed primarily for use on fuel oil or other liquids of similar viscosity, on small to medium 100% vented tanks, and distance from tank to gauge up to approximately 150 feet. For unvented tanks, longer distances, deep tanks or viscous liquids refer to Series 1700 gauges.

#### THE SYSTEM CONSISTS OF THE FOLLOWING:

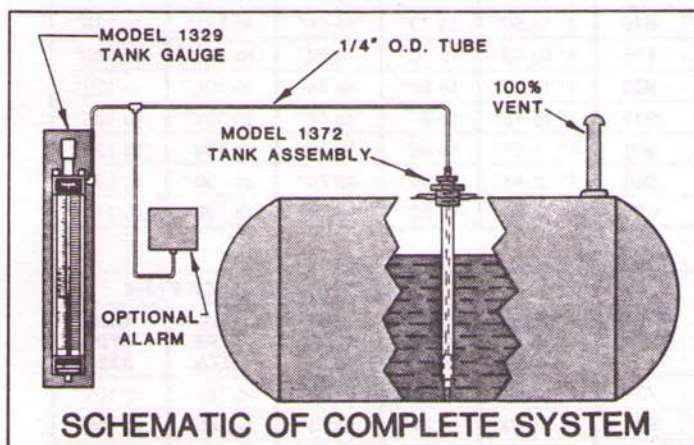
1. The Model 1329 Tank Gauge, available in five sizes to suit various size tanks.
2. The Tank Assembly Unit, Model 1372. Refer to Bulletin 1372.
3. Optional accessories, if any.

#### OPERATION:

The Model 1329 Tank Gauge is equipped with a built-in hand pump (Aerator) that provides the means for introducing air to purge (blowdown) the tank assembly unit. As air is introduced it forces tank liquid out of the open ended tank assembly unit. When enough air has been introduced to cause bubbles to be ejected, the tank assembly unit is fully purged (completely filled with air). The pressure required to eject the bubbles is exactly equal to the hydrostatic head pressure of the tank liquid. The air pressure is transmitted via the 1/4" O.D. tubing to the tank gauge causing the Red-X liquid to rise in the glass column until its hydrostatic head pressure exactly balances or equals the applied air pressure. The column of Red-X liquid is read against the calibrated scale.

#### INSTALLATION:

The system can be installed on tanks whether full or empty, above or below ground and at any elevation. If gauge is installed outdoors some means must be provided to protect it from the elements. Standard gauges will not operate below 32° F. Non-freezing Type "A" gauges will operate in temperatures down to -40° F.



#### SCALES:

The scale is printed on flexible tag stock and may be adjusted or removed to correct for change of liquid or tank pitch. A red transparent strip is provided that can be moved to desired position for warning to reorder product. Scales are calibrated for the specific gravity of the Red-X indicating liquid and the specific gravity of the tank liquid.

#### THE STANDARD SCALE:

Is calibrated on the left side in inch and half inch increments of tank depth. Blank lines are provided, on the right side, corresponding to each inch that will permit the addition of gallon figures with an ordinary typewriter.

#### OPTIONAL GALLON SCALE:

If desired, Petrometer will provide a scale as above complete with gallon figures.

