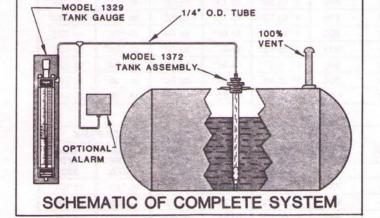
Petrometer Corporation MODEL 1329 TANK LIQUID LEVEL GAUGE

DESCRIPTION SPECIFICATIONS ORDERING DATA

APPROVED Remote reading BOARD OF STANDARDS AND APPEALS TANK GAUGES for CITY OF NEW YORK CAL. NO. 593-48-SM **INDUSTRIAL AND** DOMESTIC OIL BURNER INSTALLATIONS STORAGE TANKS FOR INDUSTRIAL LIQUIDS TUBE PROTECTOR (AND BENDER) 1/4" O.D. TUBE COMPRESSION NUT, BRASS 1/4" TUBE x 1/4" IPS. TANK CONNECTOR, BRASS 1/4" O.D. COPPER TUBE TRANSMISSION LINE 1-1/2" x 1/4" REDUCING BUSHING, IRON 2" x 1-1/2" x 1-1/2" DOUBLE TAPPED BUSHING, IRON REINFORCER PIPE -SUPPLIED BY INSTALLER TANK UNITS OF OTHER MATERIALS ARE AVAILABLE No. 1372 COMPLETE **FOR 100%** TANK VENTED TANKS AIR BELL, BRASS



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:

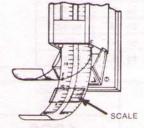
The scale is printed on flexible tag stock and may be adjusted or removed to correct for change of liquid or tank pitch. A red transparent strip is provided that can be moved to desired position for warning to reorder product. Scales are calibrated for the specific gravity of the Red-X indicating liquid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

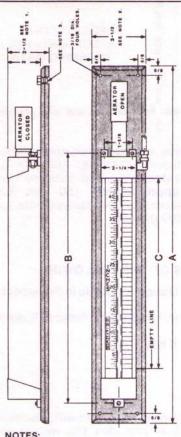
THE STANDARD SCALE:

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.





NOTES:

1. 2-3/4 for Types 339, 339A 2. 4-5/8 for Types 339, 339A 3. Store compression plug in hole after

*NET weight includes panel and liquid

charge. GROSS weight includes above and double packing for shipping.

USE THIS CHART FOR STANDARD GAUGES



USE THIS CHART FOR TYPE "A" NON-FREEZING GAUGES



PRINTED IN U.S.A.

TYPE		WEIGHT*	LBS.			
	A	В	С	SHIPPING CARTON	NET	GROSS
112 OR 112A	23-1/2	17-3/8	13-9/16	6-1/4 X 6-1/4 X 34	3-1/2	7
114 OR 114A	29-5/8	23-1/2	19-11/16	6-1/4 X 6-1/4 X 34	4-1/2	8
225 OR 225A	32-7/8	26-3/4	22-7/8	6-1/4 X 6-1/4 X 44-3/4	4-3/4	9
227 OR 227A	40-3/8	34-3/16	30-3/8	6-1/4 X 6-1/4 X 44-3/4	6	10
339 OR 339A	48	42-1/8	37-9/16	5-3/4 X 8 X 53-5/8	8-1/2	13

TO ORDER:

1. Determine the vertical depth of the tank.

2. Select the proper gauge Type (Size) from the selection charts below. As shown there are five types(sizes) for the Standard Model 1329 Tank Gauges and five types (sizes) for the Type "A" Non-freezing Model 1329 Tank Gauges.

NOTE: The vertical depth of tank values listed are absolute maximum. If the actual tank depth is within 2" of the value listed it is recommended that the next larger Type (Size) gauge be selected.

NOTE: Standard Model 1329 gauges use specific gravity 2.954 Red-X indicating liquid and will not operate at temperatures below 32° F. 2.954 Red-X freezes but will do no damage. Type "A" Non-freezing Model 1329 gauges use specific gravity 2.8 Red-X indicating liquid and will operate in temperatures down to -40°F.

For liquids not listed in selections charts:

(a) Multiply the tank depth in inches by the specific gravity of the tank liquid and apply the results to the chart line labeled WATER.

(b) Specify the name of the liquid and at least one of the following: Baume or specific

gravity, degrees A.P.I. or pounds per gallon.

3. Specify standard scale or gallon scale. For gallon scale, complete tank dimensions and nominal capacity or a capacity chart must be supplied.

4. Specify Model 1372 Tank Assembly Unit. Model 1372 is supplied in lengths of 25, 50, 75, 100 feet and over in multiplies of 10 feet. For correct length figure distance from tank bottom to the gauge location.

LIQUID	DEG A.P.I.	SPEC. GRAV.	VERTICAL DEPTH OF TANK					
			USE TYPE 112	USE TYPE 114	USE TYPE 225	USE TYPE 227	USE TYPE 339	
GASOLINE	60	.737	1" to 58"	to 84"	to 97"	to 129"	to 158"	
FUEL OIL #1	40	.824	1" to 51"	to 75"	to 86"	to 115"	to 142"	
FUEL OIL #2	35	.849	1" to 50"	to 73"	to 84"	to 111"	to 138"	
FUEL OIL #3	30	.875	1" to 49"	to 70"	to 82"	to 108"	to 133"	
FUEL OIL #4	25	.903	1" to 47"	to 68"	to 79"	to 104"	to 129"	
FUEL OIL #5	20	.933	1" to 45"	to 67"	to 77"	to 101"	to 125"	
LOW SULF #6	25	.903	1" to 47"	to 68"	to 79"	to 104"	to 129"	
FUEL OIL #6	15	.966	1" to 44"	to 64"	to 74"	to 98"	to 121"	
WATER	10	1.00	1" to 43"	to 62"	to 72"	to 95"	to 117"	

LIQUID	DEG A.P.I.	SPEC. GRAV.	VERTICAL DEPTH OF TANK					
			USE TYPE 112A	USE TYPE 114A	USE TYPE 225A	USE TYPE 227A	USE TYPE 339A	
GASOLINE	60	.737	1" to 55"	to 80"	to 92"	to 122"	to 151"	
FUEL OIL #1	40	.824	1" to 50"	to 71"	to 83"	to 109"	to 135"	
FUEL OIL #2	35	.849	1" to 48"	to 69"	to 80"	to 106"	to 131"	
FUEL OIL #3	30	.875	1" to 47"	to 67"	to 78"	to 103"	to 127"	
FUEL OIL #4	25	.903	1" to 45"	to 65"	to 76"	to 100"	to 123"	
FUEL OIL #5	20	.933	1" to 44"	to 63"	to 73"	to 97"	to 119"	
LOW SULF #6	25	.903	1" to 45"	to 65"	to 76"	to 100"	to 123"	
FUEL OIL #6	15	.966	1" to 43"	to 61"	to 71"	to 93"	to 115"	
WATER	10	1.00	1" to 41"	to 59"	to 68"	to 90"	to 111"	

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PETROMETER **TANK GAUGE Model 1329**

U.S. Patent Nos. 2.539.665-2.639.838

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