Application Data Form

Tank Gauge..Digital Indicator with Alarms-Pump Control

Tank GaugeDigital Thatcate	with Alarms-1 ump Control
TANK G	in TONKA
CILAPEDICE FICHARIO DONAPANY NINA	PAPER S. 18/18/19/19/19/19/19/19/19/19/19/19/19/19/19/
Asphalt Oil Level	
Name	Date
Company	
Address	
Phone	Fax
E-Mail	

Tank Gauge reads in Tenths of an Inch with programmable High and Low Alarms and Pump Control.

Requirements	
Product in Tank	Product Temperature Range
Product Density	
Accuracy Requirements	Tank Gauge accurate to .1".
Tank Gauge Location	Tank Gauge may be located in control room (250
feet away) or side of the tank	in locations protected from weather.

Tank Information
Tank Description Horizontal Cylindrical Tank Vertical Cylindrical Tank
OtherDescribe Tank Height' Ceiling to Floor
Tank Gauge is priced and built differently for level readings <u>under 12'</u> (Horizontal Tank Gauge .) and for level readings <u>over 12'</u> (Vertical Tank Gauge).
Installation Methods A) Ground Level Tap (Preferred) and B) Suspended Pipe (See Installation
Manual)
Horizontal Tank Gauge requires a continuous steel pipe (2" preferable) and Vertical Tank Gauge requires a continuous steel pipe (1" preferable) suspended from tank ceiling to as far down into the tank as possible until reaching coils, fire tubes, tank floor, etc.
Continuous Steel Pipe How long is pipe from the tank ceiling to the first obstruction reached'
Bottom End of Continuous Steel Pipe How far off the bottom shall the pipe end be suspended'
Alarms and Pump Control Tank Gauge has two programmable contacts capable of sounding alarms, illuminating indicators, starting and stopping pumps, opening and closing valves, cutting out pumps, etc. Each contact can be programmed to actuate at a programmable high level or low level or a high and low level. Standard High/Low Alarm ProgramTank Gauge is provided with an alarm horn and programmed to sound at a predetermined Low Level (Contact 1) and a High Level (Contact 2) of which the operator can press the Acknowledge button. Option A High 1-High 2/Low 1 – Low 2 Alarm Program. The same Gauge can be programmed so Contact 1 (programmed High/Low) to sound the horn when level falls below programmed 30.0" level or level rises above programmed 400.0". Contact 2 (programmed High/Low) to sound the horn again when level falls below programmed 20.0" level or level rises above programmed 440.0". Option B High 1 Alarm-High 2 Pump Cutout/Low 1 Alarm - Program. The same Gauge can be programmed so Contact 1 (programmed High/Low) to sound the horn when level falls below programmed 30.0" level or level rises above programmed 400.0". Contact 2 (programmed High) to cutout pump when level rises above programmed 440.0". Pump Cutout can be programmed to be bypassed pressing Acknowledge button.
Level Contact 1 Choose a Function Alarm High Level(Standard) Alarm High and Low Level (Option A) (Option B) Cutout Pump Start/Stop Feed Pump Start/Stop Discharge Pump
Level Contact 2 Choose a Function Alarm Low Level(Standard) Alarm High and Low Level (Option A) Cutout Pump (Option B) Start/Stop Feed Pump Start/Stop Discharge Pump

Horizontal Tank Gauge under 12'

Method B

Tank Gauge provides air source available during all times product is to be measured so as to continuously purge product from inside pipe. Tank Gauge may be turned off in instances where coking and product build up inside Continuous Pipe does not happen.

Horizontal Tank Gauge requires two 1/4" tubes to be connected to indicator box at one end of the tubes and to a tee fitting attached to the top of the continuous pipe suspended in the tank.

Method A does not requires an air source and normally does require an air when not measuring level.

Vertical Tank Gauge..... over 12'

Method B

Requires a clean, dry air source (2.5 cubic feet per hour) during times of measurement. Method B only Suspended Pipe... Where coking and product build up inside Continuous Pipe may happen; Tank Gauge requires air source available during all times product is to be measured so as to continuously purge product from inside pipe.

Method A also requires an air source and normally does require an air when not measuring level.

Caution:

As with any measuring instrument, many things happen to make the work correctly. It takes just one thing not to work right and the reading can be significantly wrong and operation decisions are made from this reading.

Please follow theses precautions.

User must be aware that system reads high when pressure tube-pipe is plugging or plugged and will read low when tubes are cut or connections poorly sealed or line to sensor is plugged. Electronics fail and connection may become poor, calibration may not be completed correctly, etc; causing readings to be wrong.

Tank Gauge and Clarence Richard Company or associated dealers are to be held harmless for any calibration, equipment malfunction or operating problems. User must understand the equipment and limitations; in order to confirm proper operation, the user shall analyze all methods possible to them to assure the instrument is reading correctly by means such as comparing amount filled in tank and expected amount used and to visually check levels.

Indemnity and Limitation of Remedies.

(a) CRS shall not be liable to Lessee for, and Lessee shall indemnify, defend and hold CRS and its successors and assigns harmless against any claim from a third party for any liability, claim, loss, damage or expense of any kind or nature, whether based upon a theory of strict liability or otherwise, including attorneys' fees and court costs, in any way relating to or resulting from this agreement or the selection, manufacture, rejection, ownership, lease, possession, delivery, installation, maintenance, operation, use, performance, return or storage of any item of Equipment. Lessee's duty to defend and indemnify CRS shall survive the expiration, termination, cancellation or assignment of this agreement and shall be binding upon Lessee's successors and

permitted assigns.

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(b)	To the extent permitted by law Lessee waives and releases CRS from any liability, right,
claim or	remedy including but not limited to any claims out of design, construction, manufacture or repair of any
product	or part, for loss of or damage to any product or part, for loss of use, revenue or profit with respect to any
product	or part or for any warranty claim not specifically provided for herein and for any liability for CRS'
tortuous	conduct (actual or implied) except for CRS' intentional tortuous conduct and for any other direct or
indirect,	or consequential damages.

- (c) CRS assumes no responsibility or liability for the problems associated with components and or any components purchased from another source or fabricated by personnel other than those of CRS. Lessee agrees to indemnify and hold harmless CRS from all costs including without limitation attorneys' fees incurred in defending any lawsuit arising from problems with any components purchased from an outside source.
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Entire Agreement. This agreement constitutes the entire agreement of the parties and all prior oral and written agreements, understandings, representations, warranties, promises and statements of the parties and their respective officers, directors, partners, agents and brokers shall be merged into the agreement with respect to the leasing of the Equipment. No such prior oral or written agreement, understanding, representation, warranty, promise or statement shall be effective or binding for any reason or purpose unless specifically set forth in this agreement.

Authorized Officer	Signature
	Title
	Printed Name
	Date
Lessee's exact legal name is as set forth in the f	first page of this agreement. Lessee is a (Corporation-LP, etc.)
duly organized a	nd validly existing under the laws of the State of
Clarence Richard Company	
Authorized Officer Signature	
Authorized Officer Signature3908 Tonkawood Road, Title	
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3908 Tonkawood Road, Title	Date