# Mechanical Liquid Level Gauges

## Krueger Type D

The At-A-Glance Type D Liquid Level Gauge is a reliable, swing arm type tank gauge used for measuring all types of liquid levels. This sight gauge's simple mechanical design promotes durability, minimal upkeep, quick installation, and easy/inexpensive repairs.

This liquid level gauge is custom made in house to fit your tank. We can accommodate any size tank from 6 inches to 12 feet in depth. We can also account for double walls and pipe risers, and we offer multiple materials of construction to accommodate nearly any type of liquid.

## King Gauge

- Molded Float is impervious to petroleum products.
- Tangle-Free "Solid Link" hinge withstands rough handling.
- Available to fit both Vertical and Horizontal tank applications.
- Large, easy-to-read, plastic vile includes UV inhibitors, and is the most break resistant on the market.
- A new flanged vial provides double seal including exterior o-ring.

## King Vent Alarm Gauge Combo

- Molded Float is impervious to petroleum products.
- Tangle-Free "Solid Link" hinge withstands rough handling.
- Durable cast iron with corrosion-resistant powder coating.
- Available to fit both Vertical and Horizontal tank applications.
- Large, easy-to-read, plastic vial includes UV inhibitors and is the most break-resistant on the market.
- A new flanged vial provides double seal including exterior o-ring.
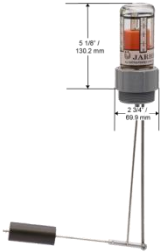
## Fill Alarm

- Sizes to fit most popular above-ground and in-ground tanks
- Durable cast iron with corrosion-resistant powder coating
- Whistles while tank is being filled; stops whistling when oil has reached safe capacity level
- Patented whistle design is up to 10 dB louder than conventional designs (U.S. Patent 7497185)

# Mechanical Liquid Level Gauges

## Jarhead

For use with oil, waste oil, diesel fuel, antifreeze, water and other fluids with a low flash point. Available in 1 ½ "-2" N.P.T threads.

## Black Night

Numbers decrease as fluid level lowers indicating how many inches are left until the tank is empty. For use with oil, waste oil, diesel fuel, antifreeze, water and other fluids with a low flash point. Measures from 99"-0". Available in 2" N.P.T. threads.

## Red Fox

Numbers decrease as fluid level rises indicating how many inches are left until the tank is full. For use with oil, waste oil, diesel fuel, antifreeze, water and other fluids with a low flash point. Measures from 99"-0". Available in 2 inch N.P.T. threads.
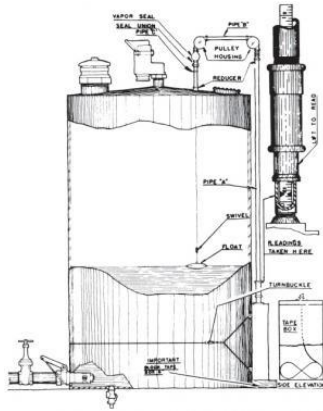
## Scully Golden Gauge

- Super strong Kevlar string for smoother operation.
- Eliminates the need to stick the tank, saving time and money.
- Unique polypropylene double float design.
- Measurement readings available in gallons or inches
- Easy-to-read window has an anti-fogging vapor barrier.
- Most accurate gauge of its kind.
- Large numbers allow you to check level from a distance.
- Installs easily in 1 ½" and 2" openings.
- Accommodates tank depths to 108".
- Used in a variety of liquid products
- Perfect for will call accounts
- The standard in lube oil and waste oil tanks.

# Mechanical Tank Gauges

## Simplex Tank Gauge

Used for measuring liquid level in aboveground storage tanks. Best suited for vertical tanks over 12 ft. high. Gauge readout by tape which passes over an indicator mounted at 3 ft. height on the side of the tank. Activated mechanically by a float that rests on the liquid level. Float is connected to a cable that runs up through the top of the tank, across two pulleys, and down the side of the tank to the indicator position.

## Clock Gauge

For measuring liquid level in aboveground storage tanks. Gauge mounts on top of tank and is activated by a float connected to a cable. Readout is on a 12 hour clock face. Small hand = feet or meters Large hand = inches or centimeters. Gauge can be read 20-30 feet away to within 1/8 ". Maximum measurement is 12 ft.

## OPW 200 TG AST Mechanical Tank Gauge

The OPW 200TG Tank Gauge is designed for reading liquid levels in horizontal or vertical aboveground storage tanks. The 200TG Tank Gauge provides an accurate numerical counter readout, eliminating the need for any on-site manual gauging.

# Electronic Gauging

## Electronic AST Mechanical Tank Gauge
## 1018

Monitors 1 to 4 aboveground storage tanks per console. Each gauge can be located up to 1000 ft. from the console. Can measure tanks up to 35 ft. in height, including vertical or horizontal cylindrical tanks and rectangular tanks. Accurate to 0.1". Choose Feet-Inches, Inches or Gallons. Metric readout can also be selected as an option on the console.

## The ACU Gauge

- The ACU Gauge is a float type sensing device good from 0"-60" deep tanks and accurate to 1/10" of an inch.
- It has a 3.5 digit backlit display. The unit runs on either a nine volt lithium battery, or it can run off of the remote unit's power source.
- The display has a push button activation with a battery saving automatic shutoff.
- Unit is contained within a weather proof housing. It is semi waterproof (cannot be submerged), and is good from 30 to 140 degrees Fahrenheit.
- Standard auxiliary output jack with high quality gold plated connections.
- The Remote Display is an optional add on that retains all of the same properties as the ACU Gauge itself.
- It also offers remote capability, wall cube power, Hi/Lo level adjustable alarms, and an optional 4-20 mA output.

## TMS 3000

A truly low cost, high performance solution designed to meet all of your environmental compliance and inventory management needs. Complete with every feature you need, the TMS 3000 has a simple, user-friendly interface.

Extremely flexible, modular system architecture. Completely field configurable and upgradeable.

Support for up to 12 precision, dual float magnetostrictive level probes.

# Electronic Tank, Sump, Interstitial Monitoring

## Model ATA Tank Monitor

An intrinsically safe tank monitor can be used to monitor high or low levels and/or leak detection. Available in 115 volt. Meets NEMA 4 requirements. One and two channel panels available.

## Series RAP Remote Annunciator

Can be remotely mounted to announce tank conditions. Used in conjunction with the ATA tank monitor.

## AMS Alarm Panels

Can be remotely mounted to announce tank conditions. Used in conjunction with a series of ATA tank monitors.

# Meters/Registers

## MR 5-30 Mechanical Fuel Meter

This aluminum meter is perfect for use with gasoline, diesel fuel and kerosene. Designed for high volume pumps up to 30 GPM.

## 3 Wheel Mechanical, ¾" Meter, 5-20 GPM

### 807C

The 807C Mechanical flow meter has a large easy to read display, flow ports can be positioned vertically or horizontally, UL/cUL listed, handles fluid of any viscosity, rated for Gasoline, Diesel, Kerosene, mineral spirits, Stoddard solvents and heptane. Fill-Rite meters provide precision and durability in a cost-effective design. The 807C is a 3 wheel mechanical meter designed for transfer pumps with a flow rate of 5 to 20 GPM. this meter has a 3/4" inlet and outlet.

## 4 Wheel Mechanical Meter, 1" Meter, 6-40 GPM

### 901

The 901 Mechanical flow meter has a large easy to read display, flow ports can be positioned vertically or horizontally, UL/cUL listed, handles fluid of any viscosity, rated for Gasoline, Diesel, Kerosene, mineral spirits, Stoddard solvents and heptane. Fill-Rite meters provide precision and durability in a cost-effective design. The 901 meter is a 4 wheel mechanical meter designed for transfer pumps with a flow rate of 6 to 40 GPM. this meter has a 1" inlet and outlet. Available in 1" and 1 ½".

## Aluminum Nutating Disc Meter

### TN 740

TN740 meters are excellent for heavy fuel oils, hydraulic oils and lubricating oils. This high pressure meter is ideal for use in automotive fluid distribution systems, lube trucks and similar service. Capable of handling up to 1000psi and 50,000cSt this meter has a large display for easy viewing.
Nutating Disc technology perfect for non-custody transfer applications such as inventory control of refined petroleum products and non-corrosive chemicals.

# Digital Meters

### DR 5-30 Digital Fuel Meter

The rugged design protects the digital electronics that come programmed with seven different units of measure. Field calibration is easy from the front panel should you need flexibility. This versatile meter includes fittings that rotate and the meter cover can be turned too. Choose from three different sizes 3/4, 1 and 1 1/2 inch with either NPT or BSPP threads.

### Digital Meter, 1" inlet/outlet, 6-40 GPM
### 900DB

The 900DB, Digital Flow Meter has easy to read 4 digit LCD counter display. 6-40 GPM, +/- 1.25% accuracy. Measures in Gallons, Liters, Quarts, Pints, Ounces and User Defined Units. Battery Operated (2 AA batteries Included).

### LM50 Lube Meters

Choose from one of the latest positive displacement meters available from GPI. These compact meters are perfect for metering oil and provide exceptional reliability. Choose the LM50P when Pulse Out without Display meets your application. The LM50D model includes an easy to- read display. Both meters are designed with oval rotors for optimum accuracy.

### FM-300H Chemical Meters

Most accurate and versatile agricultural chemical meter on the market. Factory calibrated for thin and medium to thick fluids, even oils.

- Flow range is 2 to 20 GPM (7 to 75 LPM)
- Nutating disc meter with electronic display.
- Typical accuracy: Factory Calibration is ± 2%. Field Calibration is ± 0.5%.
- Durable PBT Polyester construction.
- Keeps both batch and cumulative totals.
- For litre calibration, order (120000-2).

# Digital Display Meters

## 01N Series Electronic Digital Meters

Mount this meter on the end of a hose or on a pipe, in-line. The compact design with large display makes this meter handy and easy to read.

- Flow range for the 01 Series is 3 to 30 GPM (10 to 100 LPM).
- Typical accuracy is ± 2.5% (accuracy can vary ± 5%.)
- Powered by two AAA batteries that are simple to replace.
- Gallon and liter models available.

## 03N Series Nylon Electronic Digital Meters

More accurate, more features. The 03 Series nylon meters are a step up from our basic 01 Series meters. These meters are factory calibrated but offer field calibration too.
Models available:
03N30GM 0.3 to 3 GPM (1 to 10 LPM)
03N31GM 3 to 50 GPM (10 to 190 LPM)

- Two models available, low flow and 1 inch.
- Typical accuracy for Factory Calibration is ± 1.5%; for Field Calibration is ± 1%.
- Powered by lithium battery for long life.
- Displays in gallons or liters.

## TM Series Water Meter

This economy water flow meter is an ideal alternative to traditional water meters. The TM Series water meters offer flow rate and flow total indication that help monitor water flow in wastewater application, water treatment, and sub-metering application. The battery powered electronic display TM Series water flow meters are calibrated to read in gallons and liters per minute. These water flow meters also have two totals in which case one is resettable and the other gives you cumulative flow totals. These electronic water meters are available in 1/2 inch, 3/4 inch, 1 inch, 1-1/2 inch and 2 inch models.

# Pressure Gauges

## Standard Dry Gauge

Available in 0-15 through 0-5,000 PSI. 2 ½" face.
¼" lower mount. Brass Body.  Other sizes and
materials available.

## Liquid Filled Gauge

Available in 0-15 through 0-5,000 PSI. 2 ½" face.
¼" lower mount. Brass Body.  Other sizes and
materials available.

## Digital General Purpose Gauge

Available 0-30 through 0-10,000 PSI. ¼" lower. ½" face.
General purpose digital gauges are suitable not only for dry
air applications but other media as well. Gauge offers
selectable units of measure so rather than purchasing one
gauge for each unit of measure required, the solution is
one gauge for multiple units of measure.

# Gauge Sticks

## Sectional Gauge Sticks



4 piece sectional gauge stick calibrated in inches to 12 feet. Can be shipped by UPS.  Easily assembled with metal sleeve for superior stability.
Also available in 2, 3, or 4 sections in lengths varying from 12 feet to 30 feet.

## Straight Gauge Sticks



Available in a variety of lengths up to 18 feet calibrated in inches. Also available for 55 gallon drum. Calibrated in gallons for horizontal or vertical readings.

## Folding Gauge Sticks



Available in 9 ft., 12 ft., and 15 ft. lengths. Folds to 3 feet for storage and shipping. Permanent rivet in non-ferrous metal.

# Gauging Paste

## Sar-gel

A thin layer of indicating paste is applied to gauge stick prior to placing the stick into the liquid in the storage tank. Observe the color of the paste upon the removal of the gauge stick to determine the presence of water or gasoline. Find water level in gasoline, jet fuels, fuel oils, oils and many solvents. Intersection line between white and red indicates water line in tank.

## Water or Gasoline Indicating Paste

A thin layer of indicating paste is applied to gauge stick prior to placing the stick into the liquid in the storage tank. Observe the color of the paste upon the removal of the gauge stick to determine the presence of water or gasoline.
Find upper level of gasoline in a storage tank. Turns white at and below the gasoline line.
Find water level in gasoline and other hydrocarbon solvents. Turns red at and below water gas-solvent line.

## Kolor Kut Modified Water Finding Paste

Paste changes from dark brown to bright red on contact with water. Phase separated alcohol solutions with as little as 6% water will turn the paste yellow. This product is designed for the use in reformulated and oxygenated fuel systems. After testing, it seems that alcohol or deicing agents in fuels have very little effect on the performance of the product. Packaged in 2.5 oz. tubes only.

# Fluid Management

## SmartFill Gen 2

Fuel Management Systems are used to measure and manage the use of fuel. They are critical in industries where extensive amounts of fuel are used by multiple team members, such as in mining, civil construction and municipalities.

Fuel Management Systems track how much fuel has been taken and by whom, but different systems available in the market have varying capabilities.

To access fuel with a Fuel Management System, a form of identification must be used. This can be linked to an individual via a PIN, fob key or NFC card or to a vehicle via ID or touch keys. With SmartFill GEN 2, any combination can be used (Vehicle ID key and PIN, for example). Knowing how much fuel a person and a vehicle has taken at any time, comes with a stream of benefits such as:

- Prevention of theft: Only authorized personnel can access fuel. For enhanced security, SmartFill GEN 2 can also restrict fuel use by volume and the time of day.
- Insights into vehicle maintenance: A vehicle will stand out if it is using more fuel than it should.
- Numerous benefits for fuel use management and fuel management reporting.

Because all of the fuel use data is recorded, Fuel Management Systems provide significant cost savings. The process of ordering more fuel can be automated, and even at the basic level users have far better ordering insights, and alerts are sent when tank levels get dangerously low. Perhaps most advantageous, fuel reconciliation and fuel reporting for say, fuel tax rebates, becomes a very quick and streamlined process, with easily accessible fuel management reports. Previously fuel use data was hand written and reconciliation would be a huge and costly endeavor.

One of the major advancements with Fuel Management Systems has been the ability to capture all fuel use data automatically and store it online via networked communications, 3G, Wifi or Ethernet. This means data is always available, eliminating the need to travel out to the unit to access it, which is a huge benefit when considering the remote areas they tend to be in. Not all systems however, have this capability and it is just one of the many benefits Fluid Management Technology customers have been experiencing for years.

- Data is recorded instantly online, with no need for special software (and it's FREE to access!)
- Easy to install components , requires no special technical skills
- Records fuel for use up to 2000 vehicles
- Records the past 5000 fuel issues in memory
- Restrict fuel usage by volume per vehicle/driver and/or time
- All data is stored securely in the unit and can be automatically uploaded to a secure website after each transaction
- Multiple communication options for uploading data to website: WiFi, 3G, and Ethernet
- Large easy to read, color LCD screen
- Can be configured and is continuously monitored remotely via the website
- Modular design allows for rapid installation and repair
- Housed in tough, weatherproof enclosure. For use in all weather conditions outdoors.

# A World of Applications in the Toughest of Environment

## Refueling a Vehicle

Enhanced Security Options
  -SmartFill Gen 2 can request the drivers PIN, which also allows you to personalize your records.

-Vehicle and/or driver access to fuel  can be restricted by preselected times (such as 9AM to 5PM) and/or volume (such as maximum of 500 gallons per day).

Touch the authorized vehicle ID key, fog, or NFC card onto the sensor of the unit.

Once authorized, the unit can request the vehicle speed/hour-meter reading and/or job number, which helps with scheduling maintenance.

## SmartFill Gen 2 Accessories Overview

**NFC Cards and Key Fobs**

Easy user or vehicle identification is provided with key fobs, vehicle ID keys or long lasting Near Field Communication proximity cards.

**i-Button Reader**

The i-Button reader makes data entry and testing easy. When placing your ID key to the reader, it clearly presents the key number and lets you know if the key is working or not.

**Reader Wand**

Eliminate the trouble of staff losing keys, using keys from other vehicles, or taking keys home. A reader wand is attached to the SmartFill unit with the vehicle touch key mounted onto the vehicle. To access fuel the driver simple touches the reader wand onto their vehicle touch key.

**Pedestal**
Heavy duty steel pedestal for mounting the SmartFill unit on site.