Tank-Tel® Liquid Level and Pressure Gauge

Go digital with Chart’s Tank-Tel® Liquid Level Gauge system. Hands-free tank monitoring solution eliminates the time and hassles of calibration charts associated with traditional analog tank monitoring.

Featuring integrated software for digital level and pressure readouts, the Tank-Tel gauge calculates levels in real time-based liquid density of the vessel pressure for optimum accuracy. The Tank-Tel system is designed to house the Cellular Gateway board for a clean telemetry installation.

Features
✓ 500 psi pressure rating
✓ Oxygen cleaned
✓ ¾” FPT back-mount
✓ Digital level and pressure readout
✓ No calibration charts required
✓ One gauge for – LOX/LIN/LAR/N₂O/CO₂
✓ (8) level and (3) pressure readout options
✓ (3) adjustable level and pressure alerts
✓ Telemetry ready
✓ NEMA 4 water and weather tight
✓ Equalization valve included
✓ Integrates with other alarm systems

Highlights
- Choice of digital liquid level and pressure readouts
  (8) level choices and (3) pressure choices
- Power: Battery (2 x 1.5V Long Life Lithium) powered or optional 12VDC adapter (for continuous power)
- Standard on new Chart bulk tanks
- (3) alarm outputs for level or pressure
- Improved level accuracy—program automatically adjusts for changes in liquid density
- Programmable to match most tanks up to 20,000 gallons
- Telemetry ready — easily integrates with Cellular Gateway
- OnSite Telemetry with no plumbing changes
- Available in a high DP model for vertical tanks and a low DP model for horizontal tanks

VIP APPS Remote Monitoring

APPS-Tel Liquid Level Controller

The Adjustable Pressure Phase Separator (APPS 160) unit is used to lower the saturation point of liquid nitrogen, when supplied from a high pressure bulk storage tank.

Features
✓ Robust DP monitoring
✓ Safety circuit monitors muffler temperature

Highlights
- Standard on Generation 4 APPS 160 unit
- Telemetry capable to transmit low vent temperatures
- High level and high pressure alarms
The Cyl-Tel® Liquid Level Gauge is a digital electronic gauge designed specifically for the Perma-Cyl® MicroBulk Storage System. The Cyl-Tel gauge has been updated to include the latest in electronic and differential pressure measurement technologies.

The new design includes: accurate liquid level reading using differential pressure, a graphical display, and a simplified logic with nine selectable units of measure that eliminates the need for calibration charts. The Cyl-Tel gauge is telemetry-ready with built-in outputs to house the Cellular Gateway board for a clean telemetry installation.

**Features**
- 500 psi pressure rating
- Oxygen cleaned
- Digital level readout
- Digital pressure readout (option)
- No calibration charts required
- One gauge for all Perma-Cyl tanks
- One gauge for – LOX / LIN / LAR / N₂O / CO₂
- (8) level readouts options
- (3) pressure readout options
- (3) adjustable level alerts
- (3) adjustable pressure alerts
- User programmable
- Telemetry ready (no plumbing changes)
- Digital & 4-20 mA output signals
- NEMA 4 water and weather tight
- Equalization valve option
- Integrates with other alarm systems

**Highlights**
- Improves customer readability by eliminating calibration charts
- Programmable to tank model or by tank geometry
- Standard pulse and 4-20mA outputs; as well as 3 alarm outputs for level or pressure
- Power: Battery (2 x 1.5V Long Life Lithium) powered or optional 12VDC adapter (for continuous power)
- Built-in additional analog input port (0-5V) for optional pressure sensor connection
- Standard on 450L and larger Perma-Cyl models, optional on 230L and 265L models
- Integrated multi-way isolation valve for easy equalization zero test (standard on larger models, optional on smaller models)
Bulk CO₂ Systems Remote Monitoring

**Roto-Tel™ Liquid Level Gauge**

The Roto-Tel™ Liquid Level Gauge is a rugged mechanical float-style design requiring no power for continuous operation. It is specifically designed for beverage CO₂ tanks for improved accuracy with an easy to read dial face, and it’s telemetry ready. The gauge back housing accepts a sensor that uses hall-effect technology to accurately pin-point the dial face position for wire transmission to the Cellular Gateway. Battery power from the Cellular Gateway provides the current to the sensor as needed to take a tank level reading.

**Highlights**
- Standard on Carbo Series Storage Systems
- Magnetic sensor compatible dial accepts sensor module
- Sensor module snap-fits to Roto-Tel™ Liquid Level Gauge case back for easy installation and data transmission to Cellular Gateway
- Accuracy: +/- 5% full scale / tank capacity

**Tube Trailers & HP Cylinder Remote Monitoring**

**High Pressure Sensor** Level Gauge for Compressed Gas

Gas inventory in high pressure cylinders and tubes can easily be measured by monitoring the system tank pressure. Pressure sensors are typically used for this application as well as for monitoring cryogenic tank pressures and house line pressures as required. Battery power from the Cellular Gateway provides the current to the pressure sensor as needed to take a pressure reading.

**Highlights**
- Remotely monitor gas inventory for compressed gas cylinders
- Pressure sensor: 0–3000 psi
- Available for: O₂, N₂, Ar, He, CO₂ and N₂O or H₂ service
OnSite Telemetry is a data monitoring system designed specifically for industrial gas distributors who are looking for a single platform for all their asset management needs. Its versatility allows the monitoring of bulk tanks, MicroBulk storage, beverage tanks, tube trailers, high-pressure cylinders and pressure lines. Customer benefits include reduced delivery charges and the elimination of gas run-outs. Distributors benefit from better customer service, improved distribution efficiency, and better asset utilization.

The OnSite Telemetry system is driven by four major sensors (tank gauges and pressure) that integrate seamlessly with a Cellular Gateway transmitter to economically service any installation. The OnSite Telemetry web-based system is easy to use – it allows data to be retrieved by authorized users or customers anytime over the internet, and it’s conveniently self-administered with credit management services through www.chartparts.com. Backed by Chart’s service and Schneider Electric’s Centeron Webview™ proven telemetry platform, you can be confident your hardware and data will be supported and secure for years to come.

**Equipment Benefits**
- Eliminate gas runouts
- Reduce deliveries or tank size/rental fees
- Provide a higher level of customer security
- Reduce distribution costs
- Reduce capital costs with Chart telemetry-ready tanks

**Product Advantages**
- Simple tank setup downloads to program Cellular Gateway
- Flexible tank reporting schedule per account to control communication costs with pre-paid call blocks (volume discounts available)
- Customizable alert settings for level and pressure with email, text messaging or fax communication
- Full administration rights to commission equipment and set up customer sites from any internet-accessible computer
- Multi-user access – set up employees, customers or suppliers
- Historical data reports with cost-saving analysis software
- User authorization levels from read-only to full system administration

**Powered by:**

*Data center website – www.onsite telemetry.com*