Go digital with Chart’s Tank-Tel® system, the industry leading hands-free tank monitoring solution. Forget the time and hassles of calibration charts associated with traditional analog tank monitoring. The Tank-Tel system brings you a low cost, reliable and user-friendly differential pressure (DP) gauge for industrial bulk tank applications.

Featuring integrated software for digital pressure and level readouts, the Tank-Tel gauge calculates levels in real time based on the pressure in the vessel for optimum accuracy (patent pending). The Tank-Tel system is designed to replace or tap inline with existing DP gauges, and is ideal for rugged, outdoor installations.

**FEATURE COMPARISON**

<table>
<thead>
<tr>
<th>Feature</th>
<th>TANK-TEL</th>
<th>DP GAUGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 psi pressure rating</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Oxygen cleaned</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>3/4” FPT back-mount</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Digital level readout</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Digital pressure readout</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>No calibration charts required</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>One gauge for up to 20,000 gallons</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>One gauge for – LOX / LIN / LAR / N₂O / CO₂</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>(8) level readouts options</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>(3) pressure readout options</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>(3) adjustable level alerts</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>(3) adjustable pressure alerts</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>User programmable</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Telemetry ready</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Digital &amp; 4-20 mA output signals</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>NEMA 4 water and weather tight</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Equalization valve included</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Integrates with other alarm systems</td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

See specifications (back page) for full details on Tank-Tel features.

**PRODUCT HIGHLIGHTS**

- Choice of digital liquid level and pressure readouts
  - (8) level choices: percent full, standard cubic feet, gallons, inches of water, pounds, normal cubic meters, liters or kilograms
  - (3) pressure choices: pounds per square inch, kilopascals or bars
- Operates on 12 VDC (12 VDC required for telemetry) or batteries
- Standard on new Chart bulk tanks
- Improved level accuracy—program automatically adjusts for changes in liquid density
- Programmable to match most tanks up to 20,000 gallons
- Upgrade existing tank by adding to or replacing existing gauges
- Telemetry ready – three choices: 1- Reorder phone system transmits up to six alarms (3 level & 3 pressure), 2- OnSite system transmits level and pressure plus alarms 3- Cellular/satellite phone system transmits level and pressure plus alarms
- Available in a low DP model for horizontal tanks
Physical
- Approximately 7" w x 11" h x 5" d (including SS shroud)
- 3/4" FPT back-mount (compatible with existing DP mounts)
- Gauge is housed in water-resistant enclosure (NEMA 4)
- Level Range: 0 - 750" WC* (0-160 WC* for low DP model)
- Pressure Rating: 500 psig maximum
- Differential Pressure: 100 psig maximum
  (Low DP model 30 psig)

Electrical Inputs
- 120 VAC power supply (indoor wall-plug use only) with
  12 VDC @ 500 mA output to Tank-Tel
- Optional power - (2) each 9 VDC batteries
  (level & pressure readouts only, no telemetry)

Outputs
- (6) programmable alerts (3-level and 3-pressure)
  for phone transmission or local alarm relay
- (2) 4-20 mA signals (for level and pressure)
- (2) digital signals (for level and pressure)
- Level and pressure display: large 5-character
  0.4" high LCD display
- Low battery indicator

Sensor Accuracy + 2.5% of full scale

Operator Interface Keypad (no computer required)

Display Resolution (+ / -)
- % Full=5% liters (liquid)=10
- gal=5 Nm3 (gas)=10 psi=5
- scf (x 100)=100 kg=10 kPa=5
- lbs=10 In.WC*=3.3 bar=0.2

Operating Temperature -30° C to +70° C

Programmable Features
- Product type: LN2, LAR, O2, N2O or CO2
- Unit of Measure - Level
  Percent Full (% Full), Liters, Gallons (gal),
  Kilograms (kg), Pounds (lbs), Inches H2O,
  Normal Cubic Meters (Nm3), Standard Cubic Feet (scf)
- Unit of Measure - Pressure
  Pounds per Square Inch (psi) Bar Kilopascals (kPa)
- Alert Programmability
  (3) level alerts programmable from 0 - 100%
  in 5% increments
  (3) pressure alerts programmable from 0 - 500 psi
  in 5 psi increments
- Alerts programmable as normally open or closed

Tank Dimensions: diameter and length
Tank Orientation: vertical and horizontal

Options Industrial Alert, Hospital Alert, Telemetry

Accessories and Service

* WC = water column