

Innovative technology with seamless integration.

Transport Tank Monitor 7089

LEVEL DEVIL by SensorTech



The 7089 Transport Tank Monitor is a remote cellular pumpless bubbler monitoring system designed to accurately register pressure as bulk liquids are loaded into transport tanks. Built for reliability and low maintenance, the monitor features a five-year battery with an amp booster for cellular transmissions and a rugged 304 stainless steel body.

Standard on this and all Level Devil® devices are field-programmable scheduling, adjustable reporting, and configurable alarms—giving users full control over how and when data is delivered.

Ideal Applications:

The 7089-TTM is applicable to any application where a liquid tanker is dropped, subsequently loaded with liquid, picked up for disposition and a new tanker is delivered to repeat the process. The 7089-TTM works in conjunction with other downstream and upstream Level Devil® monitoring equipment.



How It Works

- Once installed, initiate a transmission to calibrate the system
- Tank levels are displayed on the SensorTech web platform in inches, gallons, or user-defined units
- Must calibrate each tanker (one monitor per trailer) for its respective size.
- Installation requires assembly and welding of select components to and within the transport trailer or tank wagon



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Key Benefits

- Optimize driver scheduling with real-time tank level visibility.
- Eliminate unnecessary trips by monitoring tank levels remotely.
- Maximize tank and trailer utilization with just-in-time deliveries, improving asset efficiency and reducing redundant equipment.
- Provide customers real-time notifications for loading start and stop times, helping them better plan resources.
- Self-sufficient system requiring no external power from the truck or customer facility.
- Automatic email and text notifications alert customers when critical tank levels are reached.
- Enable customers to monitor tank levels anytime, anywhere from their mobile devices.
- Engineered to perform reliably in extreme hot and cold temperatures, with a wide range of materials, viscosities, and challenging liquid products.
- Reduce or eliminate the need for large surge tanks, lowering customer capital investment and operating costs.
- Drivers can remotely monitor tank levels to see when they need to arrive onsite and improve route planning.

MONITORING ABILITY	1 – Cellular pumpless bubbler sensor
ITEMS SHIPPED	1 – Cellular electronic controller mounted on 304 stainless 3 ½" bushing (7089-TTM) 1 – Approx. 64" nylon tube (TUBE.180NYB) Customized to trailer height 1 – Brass compression fitting
ITEMS SUPPLIED BY WELDER	1 – 7190 TANKSTUB 1 – 7190BOTWELD 1 – Custom length 1" 304 stainless pipe 1 – 3" raised face flange 304 stainless 150#
TEMPERATURE RANGE	-40 to 140 F (-40 to 60 C)
PRESSURE RANGE	0-5 PSI. Others available
SENSOR OUTPUT	0.5 to 2.5 VCD
SENSOR HOUSING MATERIAL	Polycarbonate on 304 stainless 3 ½" bushing
BATTERY	Lithium 3.6V with cellular ampere booster (BHPC)
CASE SIZE	6.5 X 3.35 X 2.2 inches (16.5 x 8.5 x 5.6 cm)
FLANGE FITTING	3" raised face flange 304 stainless 150#
EXCITABLE VOLTAGE	3.3 to 3.6 VCD
BASE LENGTH	Varies and customizable to trailer
BASE MATERIAL	304 stainless
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE	

- SECURE WEB PLATFORM FROM ANY COMPUTER OR SMART PHONE.
- CLIENT CAN ALLOW SELECTIVE PASSWORD ACCESS BY OTHERS.
- AUTOMATED VOICE PHONE CALLS.
- HISTORICAL DATA AND GRAPHS.
- HIGH/LOW ALARMS/INDICATIONS.
- SUDDEN-CHANGE NOTIFICATION.
- USER-DEFINED CONFIGURATION AND SETTINGS.
- SORT AND/OR FILTER DATA BY ITEM, DATE, STATUS, ETC.

"We have been using the 7089-TTM system for over 3 years. This system has become a valuable part of our operation. We (Owner, Drivers & Ops Manager) look at levels at all times of the day and night. I can access tank levels anywhere I operate as long as I have a cell connection. We have been able to reduce redundant equipment, more efficiently schedule pickups, and give our customers the confidence that we're always here for them exactly when they need us. The Level Devil system is a big part of our competitive advantage against other service providers offering a cheaper price. Our customer's uptime is dependent on us being able to remove products, and that service is more valuable to them than a lower cost, less responsive alternative."

John Mann - Owner, Recyclers, Inc.



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