

Remote Inventory Management System - Continuous Level Measurement

Monitor vessel levels using a web-based application

Use any device...

to connect
with the cloud...

to view silo inventories at
any location, any time!



FEATURES & ADVANTAGES

▼ Flexible Remote Inventory Management

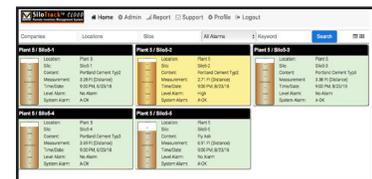
- ▼ Access real-time material inventory data from any device that has an Internet connection.
- ▼ Intuitive, flexible and powerful graphical user interface.
- ▼ Manage multiple locations with multiple silos / vessels.
- ▼ Control user permissions through secured login profiles.

▼ Inventory Information at Your "Fingertips"!

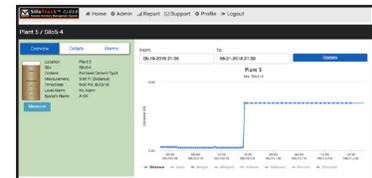
- ▼ View distance, level, volume, weight, percentage and ullages (empty space) for silos.
- ▼ See multiple silos on one screen. Filter to see only specific locations or silos.
- ▼ Set level alarms and monitor sensor status... Configure e-mail and text notifications.
- ▼ Create, save and generate configurable reports.
- ▼ Automatically e-mail reports to specific users. (Facility Manager, Dispatcher, etc.)
- ▼ Access historical data to create trends, improve inventory / procurement efficiencies.

▼ Secure and Reliable Communications

- ▼ Data is secure and encrypted.
- ▼ Connection from Gateway(s) to the Cloud-based server can be either through cellular or Ethernet.



View multiple silos at one time.



See overview & history of a silo.

PRINCIPLE OF OPERATION

SiloTrack™ CLOUD Inventory Management System is a web-based application that provides users with an unmatched, flexible user interface from any device with Internet access for Monitor's "Smart" RS-485 (Modbus) continuous level sensors. **SiloTrack™ CLOUD** allows for monitoring up to 32 sensors per Gateway including the **SiloPatrol®** SMU cable-based sensors and/or Monitor's **RadarRight™** non-contact radar sensors. The sensor data collected through the cloud-based server can be accessed at any time from any place to view current status, review history and create reports to optimize inventory management.

PRACTICAL APPLICATIONS

- ▼ **Ideal for Remote Managed Inventory / Vendor Managed Inventory (RMI / VMI) solutions.**
- ▼ Optimize frequency of deliveries & transportation costs.
- ▼ Receive timely material inventory levels from anywhere.
- ▼ Does not require the installation of software on your computers (i.e. "no code on the client").
- ▼ Access data history and create customizable reports to share information across functional departments.

For more detailed information, please contact a Monitor representative or visit Monitor's website at https://www.monitortech.com/product_conti.shtml Or scan this with a smartphone QR-Code app.



OPTIONS

- ▼ Universal 85-265VAC or 24VDC Operating Voltage (Gateway)
- ▼ Standard or High Gain Antenna (Gateway)
- ▼ Cellular or Ethernet Connectivity (Gateway)
- ▼ **WirelessEZ** Communication Interface (radio modem) can be used to replace the RS-485 wiring between level sensors & the Gateway

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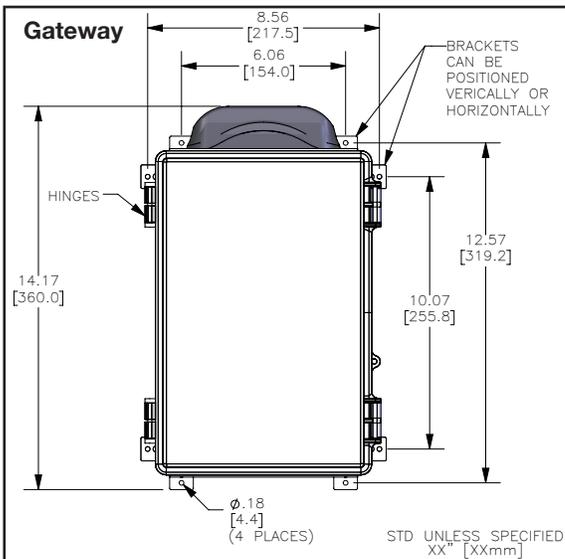
SPECIFICATIONS

SiloTrack™ CLOUD Gateway

Power Requirements	AC: 115-230VAC ± 15%, 50/60 Hz DC: 24VDC ± 15%
Power Consumption	AC: 70W (1.5A max @ 115VAC) DC: 18W max
AUX 24VDC Output:	1.7A max (AC Version Only)
Ambient Operating Temp:	-30° F to 149° F (-34° C to 65° C)
Sensor Communication:	RS-485 half-duplex, non-isolated, Modbus RTU protocol 9600/8/N/1
Sensor Channels:	One (1) 32-channel network (32 channels total)
Cellular Wireless Interface:	LTE CAT 4: 700(B12,13)/850(B5)/AWS(B4)/1900(B2) 3G HSPA+: 850/1900 MHz Transfer rate (max): 150 Mbps down, 50 Mbps up
FCC ID:	R17LE910NA V
Emissions / Immunity:	CE, FCC Part 15 Class B, AS/NZS CISPR 22, EN55024, EN55022 Class B
Indicators:	7 LEDs (Power, Service, WWAN, 3x Signal Strength, User Programmable)
Enclosure Material:	PBT / PC
Enclosure (HxWxD):	12" x 8" x 6.4" (305mm x 203mm x 163mm)
Environmental Protect:	ENCLOSURE TYPE 4X, IP65
Approvals:	UL Listed (Power Supply & Router)
SiloTrack™ CLOUD Application	
Device Operating System:	Designed to work with most operating systems such as Mac, iOS, Windows, Linux, Android
Device Browser Requirement:	Designed to work with most Internet browsers such as Chrome, Firefox, Safari, Explorer, Edge
Export File Format:	.csv

MECHANICALS

DIMENSIONS ARE SHOWN IN INCHES WITH MILLIMETER EQUIVALENT IN BRACKETS UNLESS OTHERWISE STATED



ORDERING INFORMATION

Information on this sheet is subject to change without notice.

SiloTrack™ Cloud Inventory Management System - Gateway Notes 1,2	
Select 7	Model Series
Select 1	SiloTrack Cloud Gateway and Inventory Management System
Select 1	Gateway Connectivity (Pre-Programmed at the Factory)
1	North America Cellular (4G LTE) and Ethernet
2	Other - TBD (Consult Factory)
3	Other - TBD (Consult Factory)
Select 1	Communication Protocol
1	Modbus - SiloPatrol, RadarRight Note 3
Select 1	Environment
1	Ordinary Locations
Select 1	Operating Voltage
1	Universal 85-265 VAC
2	24 VDC
Select 1	Antenna
1	Standard
2	High Gain (Consult Factory)
6 - 8 7 X X - X X X Order Number	

SiloTrack™ Cloud Inventory Management System - Subscription Service Note 1	
Select 7	Service
Select 7	SiloTrack Cloud Application Subscription
Select 8	Subscription Configuration Note 4
8	Host and Ethernet Connectivity (Annual Contract)
9	Host and Cellular Connectivity (Annual Contract)
Select 0	Cellular Data Package Size
0	No Cellular Data Plan Required
1	Standard
2	Enhanced (Consult Factory)
Select 1	Geographic Coverage
1	United States
2	TBD (Consult Factory)
3	TBD (Consult Factory)
Select 0	Carrier Note 5
0	No Cellular Carrier Required
1	Verizon
2	AT&T
3	TBD (Consult Factory)
4	TBD (Consult Factory)
6 - 8 7 X X - X X Order Number	

NOTE:

- 1 A Subscription Service is required for each Gateway.
- 2 Up to 32 sensors per Gateway. Minimum one Gateway per location.
- 3 If Gateway is to be used with pre-existing SiloPatrol® SMU's and / or RadarRight™ sensors, please consult the factory to confirm that the sensors are Modbus (RS-485) compatible.
- 4 Subscription fee is charged once a year, in advance.
- 5 Verizon® is the primary (default) cellular carrier. Please select Verizon unless they do not provide adequate coverage in your area.

ACCESSORIES / REPLACEMENT PARTS:

Part #	Description
6-8010	Tablet, WiFi / Bluetooth
17-8021	Rplc. Power Supply, Universal AC to 24VDC
6-1964	Rplc. PCB Assembly, D-Sub Adapter
TBD	Rplc. Antenna, Low Profile, Standard (Consult Factory)
TBD	Rplc. Antenna, High Gain (Consult Factory)
TBD	Rplc. Module, Router, 4G, Cellular / Ethernet (Consult Factory)



Durable Gateway for wireless or Ethernet connection to the Cloud-based server.

OVERVIEW

