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.

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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**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

**Indicators:** 7 LEDs

**Enclosure Material:** PBT / PC

**Environmental Protect:** ENCLOSEMENT TYPE 4X, IP65

**Enclosure (HxWxD):** 12" x 8" x 6.4"

**Silo Approvals:** UL Listed (Power Supply & Router)

**Emissions / Immunity:**
- CISPR 22, EN55024, EN55022 Class B
- CE, FCC Part 15 Class B, AS/NZS

**FCC ID:** R17LE910NA V

**Cellular Wireless Interface:**
- [LTE - North America (M5)]
- 3G HSPA+: 850/1900 MHz

**Modular Cell Wireless LTE CAT 4:** (32 channels total)

**Sensor Channels:** One (1) 32-channel network

**Sensor(s) on Vessel(s):**
- Continuous Level
- Communication

**SiloTrack™ CLOUD Application**

- Designed to work with most operating systems such as Mac, iOS, Windows, Linux, Android
- Designed to work with most Internet browsers such as Chrome, Firefox, Safari, Explorer, Edge

- Export File Format: .csv

**SiloTrack™ Cloud Inventory Management System - Gateway**

- Subscription fee is charged once a year, in advance.
- Up to 32 sensors per Gateway. Minimum one Gateway per location.
- Verizon® is the primary (default) cellular carrier. Please select Verizon unless they do not provide adequate coverage in your area.

**ACCESSORIES / REPLACEMENT PARTS:**

- 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, 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.**