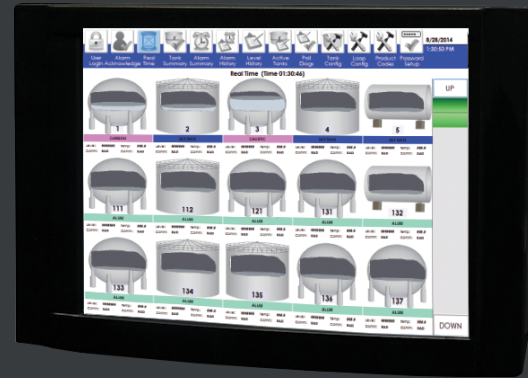


MCG 3630

Touch Panel Tank Monitor

The MCG 3630 Touch Panel Tank Monitor provides a centralized, real-time interface for viewing and managing tank level, temperature, BS&W, density, and alarm status across facility tank farms. Designed for terminal managers, operators, engineers, and safety personnel, it consolidates monitoring into an intuitive industrial touchscreen that operates continuously in control room environments. The system polls multiple tanks over L&J Tankway, supports future protocols, and communicates with host systems for SCADA or inventory integration. Users can configure tank parameters, alarm setpoints, and communication settings directly from the interface. Unlike generic panels or laptop-driven monitoring tools, the MCG 3630 offers a dedicated, reliable HMI with built-in alarm history, graphic or text displays, and optional wireless functionality. Its compatibility with L&J gauges and transmitters ensures simple integration into existing measurement systems while providing scalable expansion as tank capacity grows.



Key Features

Centralized Visibility

Provides a unified touchscreen interface showing tank levels, temperatures, BS&W, density, and alarms, enabling faster operator decisions and reducing reliance on multiple legacy indicators.

Multi-Protocol Support

Supports L&J Tankway and future protocols, allowing tank farms to evolve without replacing the operator interface or disrupting communication with existing field devices.

Host System Integration

Communicates tank data directly to gauging or SCADA systems, ensuring seamless reporting, centralized diagnostics, and real-time operational awareness across facilities.

Built-In Alarm Tools

Alarm history, color-coded indicators, and configurable setpoints help operators detect and respond to conditions quickly while maintaining required compliance records.

Rugged Industrial Design

Purpose-built for 24/7 use in control environments, providing superior reliability compared to consumer-grade tablets or computers used for tank monitoring tasks.

Simple Configuration Workflow

Touchscreen-driven setup for tank addressing, protocol selection, and alarm setpoints reduces commissioning time and minimizes operator error during configuration.



Typical Applications



TANK FARM MONITORING

Provides continuous visibility into level, temperature, alarms, and system movement across many tanks, supporting safe product handling and inventory accuracy.



REFINERY OPERATIONS

Centralizes custody and process tank information, enabling operators to monitor alarms, flows, and conditions necessary for transfer and reconciliation tasks.



CHEMICAL PRODUCTION SITES

Supports monitoring of hazardous or regulated liquids where accuracy, traceability, and quick alarm response are essential for compliance and safe operation.



DISTRIBUTION TERMINALS

Aggregates tank data across multiple loading and unloading points, giving operators real-time visibility into conditions affecting throughput and logistics.



REMOTE STORAGE FACILITIES

Enables centralized monitoring with SCADA backhaul, reducing onsite staffing needs and improving situational awareness for unmanned locations.



WATER & WASTEWATER TANKS

Monitors level and temperature in treatment or storage tanks, helping facilities maintain process control and prevent unexpected overflows or shortages.

Benefits



Improved Awareness

Real-time visualization of tank data and alarms improves operator responsiveness and helps prevent overflow events or product handling errors.



Easy Operation

Touchscreen navigation simplifies training, reduces configuration mistakes, and improves daily workflows compared to complex multi-button or menu-driven systems.



Compliance Support

Accurate alarm monitoring with historical records assists with regulatory reporting and ensures operations remain audit-ready at all times.



Lower Downtime

Industrial-grade hardware and intuitive interface reduce failure points and keep operators informed without interruptions from hardware or software instability.



Reduced Integration Effort

Support for multiple communication protocols minimizes retrofit costs and simplifies connecting the monitor to various field devices and host systems.



Scalable Expansion

Flexible tank capacity and communication options allow facilities to add tanks or new protocols without needing a new monitoring system.



Technical Specifications & Key Features

Display:	Industrial-grade color touchscreen
Inputs:	Tank level, temperature, alarm data from L&J field devices
Outputs:	Alarm annunciation; relay outputs
Communication:	Modbus, Tankway; host system integration
Alarm Features:	Visual and audible indicators; configurable thresholds
Construction:	Rugged enclosure for panel/control room mounting
Power Supply:	Standard industrial power inputs
Certifications:	Meets industrial monitoring and safety standards
Capabilities:	Displays level, temperature, BS&W, density; supports multiple protocols; supports host communication; wireless option available MCG3630-3D

Model Number Selection

The model number will consist of a base number MCG 3630 followed by 6 digits. These digits will represent 5 sets of option tables:

A • FIELD COMMUNICATION	
0	None
1	L&J Tankway
2	L&J Tankway (Includes MCG 3281 Mini Field Interface)
3	Modbus on RS-485 (2-Wire)
4	Wireless (Includes MCG 5102)

B • REMOTE COMMUNICATION	
0	No Remote Communication
1	Modbus on RS-232
2	Modbus on RS-485
3	Modbus over Ethernet
4	MCG 3900 Client

Summary

With its intuitive interface, industrial reliability, and deep integration with L&J gauging systems, the MCG 3630 provides a centralized, dependable platform for tank monitoring and alarm management. It streamlines operator workflows, enhances situational awareness, and supports safe, compliant operations across terminals, refineries, chemical plants, and storage facilities.

C • REPORTING	
0	No Printed Reports
1	Printed Reports (Includes 8.5x11 Inkjet Printer)
2	Printed Reports (Includes 32 Character Thermal Printer)

D • MAX TANK CAPACITY	
0	10 Tanks
1	50 Tanks
3	100 Tanks

E • POWER SUPPLY	
1	110 VAC
2	220 VAC

F • RELAY CONTACTS	
0	No Relays
1	4 Relay Contacts
2	8 Relay Contacts

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