



# DATASHEET

Tank Gauging System, Inventory Management System, Custody Transfer



## MTG NT5000 ATG SOFTWARE

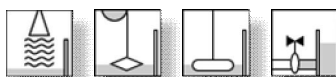


### Application



- **MTG NT5000 TANK GAUGING SYSTEM** is a PC-based software solution for the monitoring and control of **bulk liquid storage tanks**
- **MTG NT5000** is equipped to handle the complete range of **modern storage tank designs** including fixed roof, floating roof, high pressure and low temperature storage
- **MTG NT5000** is **scaleable** and can be installed as a single console in the control room or multiple computers across a **site network** and out on to the **internet**
- **MTG NT5000** will operate with the complete range of **MTG Radar and Servo Tank Gauges** and will also integrate gauging from other brands such as Rosemount® Tank Gauging and Honeywell-Enraf®

### Features and Benefits



- Real time monitoring of **LEVEL, TEMPERATURE**, water interface and density
- A range of **GRAPHICAL TOOLS** to provide instant visual status, including tank movement direction verification and exception alerting
- User configurable display **GROUPS** with automatic group creation for mass intakes and deliveries
- **Automatic STOCK CALCULATION** with **API correction** of tank volumes and masses for standard temperature stock accounting
- Custody transfer **TANK MOVEMENT** monitoring with safe fill level, end of movement warnings, flow rate, time to stop and automatic **TRENDING** of level, temperature and flow rate.
- Comprehensive **ALARM SYSTEM** with level, temperature, flow rate and movement alarms and warnings – plus email and SMS alerts
- **LEAK DETECTION** by level and by standard volume
- A tiered **SECURITY SYSTEM** that prevents unauthorized data changes and **LOGS** all user action, all alarm activity and all gauge changes
- **VALVE CONTROL** option allow tankside valves to be interlocked with tank alarms and warnings
- **ARCHIVING** of events, alarm logs, inventory audit and trend data
- **INTERFACES** to host systems via OPC, serial interface and ODBC to SQL Server.

**What's In the Box .... ?**



**MTG NT5000** is a single CD software install that can be configured to meet the needs of your bulk liquid storage facility.

The box comes as standard with :

- Software license for one PC
- Install CD with on-disk Configuration and User Guides
- One mPort Serial Server which will support up to 4 MTG tank gauging data highways with up to 255 devices per highway.

Additional licenses may be purchased for, by example :

- Software licenses for additional PCs
- Drivers to communicate with other ATG vendors' equipment
- Drivers to communicate with host systems

In addition MTG offer

- System specialists for speedy and effective configuration
- online support via the internet



The screenshot displays the MTG NT5000 software interface. It features several windows and panels:

- Tank : T-01**: A control panel for tank T-01, showing a state of 'Unknown' and a gauge reading of 51.72%.
- Product Data**: A table listing various parameters for product ATUR, such as Level (3000 mm), Water (500 mm), Temp. (13.0 °C), and Gross Vol. (3,044,365 lt).
- Tanks List**: A table listing multiple tanks (F01, ST2, ST3, ST7, ST8, SOham, SO3, SO4, SO6, SO8, Wisbech, SO2, ST3, SO7, ST6, SO7, SO5) with their respective states and details.
- Tank Details**: A detailed view for tank T-01, showing Level (5,847 mm), Temp. (22.0 °C), and Fuel Status (Undefined).
- Graph**: A line graph showing Level, Temp, and Flow over time from 18:00 to 06:00.
- Transaction Details**: A section for movement calculation, including Start Dip, Start Volume, Move Weight, Move Volume, Stop Volume, and Stop Dip.
- Selected Movement Direction**: A section for movement details, including Time, Level, Water, Temp, Gross Vol, Net Vol, Corr. Den, Corr Net Vol, and Weight.



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