

TMS 2000

Tank Management System
with EPA-compliant in-tank
and line leak detection

Low-cost alternative for single and dual tank applications.



Pneumercator Company Inc. introduces the TMS 2000 series UST/AST Tank Management System. A truly low cost, high performance solution designed to meet all of your environmental compliance and inventory management needs. Don't be deceived by its uncomplicated appearance. Every feature you need is there, and then some.

- Extremely flexible, modular system architecture. Completely field configureable and upgradeable.
- Support for 1 or 2 precision, dual float magnetostrictive level probes.
- Provisions for monitoring up to 8 intrinsically safe discrete sensor inputs, including discriminating and non-discriminating interstitial, overfill, and line leak devices. Sensor wiring fault detection feature ensures correct installation when used with Pneumercator "F" series fault output discrete sensors.
- Basic configuration includes 2 relays and 2 contact closure inputs. Optionally expandable to a total of up to 18 relays and 6 contact closure inputs.
- Third party certified for 0.1 gph in-tank leak detection and optional line leak detection.
- Optional internal impact printer for automatic or on-demand reports, outdoor printer option available.
- Remotely monitor and program via included RS-232 serial port, or from a central location via add-on, secure, internal modem. RS-485 port standard for connection to Pneumercator "smart" peripherals, such as remote display and annunciator panels.
- Automatic shift inventory, unsupervised deliveries, sales, alarms, leak test and theft logging.
- NEMA 4/4x enclosure options available for harsh or outdoor environments.



The **TMS 2000** surpasses all other inventory management systems by offering three key advantages:

- First, it's simple to use. Everyone in your organization will be able to get the information they need at the push of a button.
- Second, it's sophisticated. You can get all the information you need, in the form you need, when you need it.
- Third, the TMS 2000 was developed by the best experts in the inventory measurement and management industry, with the future in mind.

The TMS 2000 was developed utilizing state-of-the-art technology which offers:

EPA compliant in-tank leak detection with the following features:

- 0.2 gph monthly testing
- 0.1 gph precision test
- 0.2 gph quick test in as little as 2 hours
- Perform 0.1 gph or 0.2 gph tests with as little as 20% of tank capacity
- Magnetostrictive level probe and intrinsically safe (IS) discrete sensor capacities; 2 probes with 8 leak sensors.
- Fault detection capable leak sensor inputs using Pneumercator "F" series discrete sensors.
- RS-232 serial port and RS-485 peripheral bus standard. Optional secure, internal modem, FAX/modem or NIC.
- 2 fully programmable 10A@120 VAC relays and 2 dry contact inputs standard. Optional cards provide from 4 to 16 additional relays, and up to 4 additional dry contact inputs.



Distributed by:



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- Real-time clock and log memory with battery back-up; Configuration data maintained in EEPROM.
- Large, 0.6" height, daylight-readable LED display with discrete LED annunciators for 5 alarm conditions; Leak, Setpoint 1, Setpoint 2, Setpoint 3 and Water.
- Automatic logging of shift inventory, deliveries, alarms, and thefts.
- Access real-time logged and configuration data via RS-232, modem port, or TCP/IP ethernet using Windows 95/98/2000/ME/NT/XP compatible TMSCOMM software.
- Automatic and manual hardcopy reports via optional internal printer, or fax.
- Volumetric computations for steel and fiberglass tanks, including manifolded tanks and irregular geometries.
- System configuration can be performed at the site, or remotely via the serial, modem, or ethernet communications port.
- "Black box" configuration available for ultra low-cost applications where serial, modem, or ethernet communications are used for collecting acquisition and log data; remote sites or SIR.
- Locking NEMA 12 enclosure standard, optional NEMA 4 or 4X available.
- Back-up generator and oil/water separator applications supported.
- UL approved, file # E139464; CSA approval pending.
- 110/220 VAC operation.

From our time-proven hydraulic, hydrostatic and direct reading gauges to our state-of-the-art electronic analogs, digitals and leak detection systems, the technology behind Pneumercator's high-performance remote indicating gauges represents the latest in a steady stream of technical advances.

Some of the technology is new, but it is far from untried or unproven. Pneumercator's over 85 years of experience encompass significant advances in engineering and electronic design that adapt to the most rigorous environments: ones in which accuracy, reliability and flexibility are a necessity.

Over the years, Pneumercator has consistently accommodated industries' changing requirements. Today we remain focused in providing quality liquid monitoring systems and look forward to helping you with your present and future needs.

