

# TMS4000

Tank Management System with 10.4" Color Touchscreen  
Designed for Indoor and Outdoor Installations

**Modular, Multi-Tank Gauging System w/Easy-to-Navigate  
10.4" Color Touch Screen for Applications up to 48 Tanks**

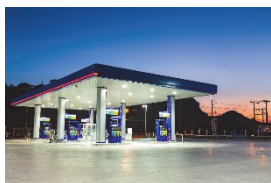


Wall-Mount

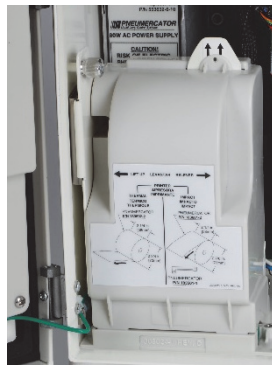


Panel-Mount

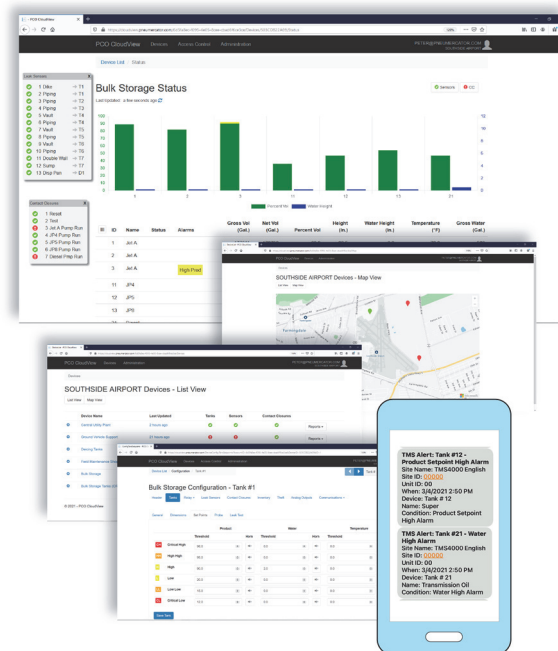
The TMS4000 Tank Management System is the latest generation of the TMS family, and the first touchscreen-based system in the industry available for both indoor and outdoor installation without requiring a secondary enclosure or supplemental heating/cooling. The large, 10.4" color, SVGA display provides an extremely easy-to-use graphical interface with real-time tank measurement data presented in three distinct formats; easy-to-read meters, detailed spreadsheet and quick-view bar graphs. Each format is user-configurable, and the spreadsheet display prioritizes active or alarming tanks to the top of the window. Leak sensor statuses and alarm acknowledgement are just one touch away. Simply put, the easiest to navigate in the industry! Existing TMS2000 and TMS3000 users, we've thought of you, too! The TMS4000 was designed to work with all your existing probes and sensors, and even your plug-in option cards! The TMS4000, next generation ATG from Pneumercator designed and built to the same high performance and reliability standards we've been manufacturing for over 100 years.



- Support for up to 48 precision, dual-float magnetostrictive level probes, or varying combinations of level probes and leak sensors. Rigid or flexible probes for sub-base tank heights from 8"[200mm] to bulk tank heights of 70'[21M].
- Supports up to 16 Line Leak Sensors providing 3GPH catastrophic line leak detection
- Plug-In Relay I/O Cards provide up to 64 relay outputs with extensive relay and contact closure input programming options.
- Standard communications interfaces include Ethernet TCP/IP, USB host and client, RS232(2 standard, expandable to 6) RS485, optional low annual cost IoT Cell modem. Single, dual or quad ModBus, 4-20ma and other industrial protocols are supported.
- Chemically treated, 7H hardness, full glass touch screen provides high durability and extreme clarity. For outdoor installation, glove-touchable and guaranteed not to fog.
- Dedicated POWER, NORMAL, ALARM LEDs, and ALARM ACKNOWLEDGE and Display Brightness touch buttons.
- Lockable metal enclosure, NEMA 12 dustproof standard, NEMA 4X weatherproof/corrosionproof optional. Both available in wall-mount or panel-mount versions.



- Front panel-mounted, weatherproof USB flash drive connector standard for NEMA 4X enclosure, optional on NEMA 12.
- Inspector's report can be printed to a PDF file on a removeable flash drive.
- Optional thermal or impact printer is field-upgradeable. Landscape, 116-character wide inventory reports.



**PCO CloudView**

- Internet accessible via PCO CloudView web site using included Network or optional Cellular Connectivity
- E-mail and SMS text message alerts
- In-Field localization settings include operation in English, Spanish or French, with Metric(LT/mm) or English(Gal/in) units of measure.
- Encrypted SD card Log Reports database exportable in standard CSV format.
- Extensive system security settings allow the administrator to assign users with widely varying degrees of accessibility.
- Auto-switching universal power supply operates with any line voltage between 95-250VAC, 50/60Hz. DC input options available.
- Operating temperature -22°F[-30°C] to 160°F[70°C] for non-printer units, -5°F[-20°C] to 140°F[60°C] with printer.
- Upgrade path for existing TMS2000 and TMS3000 users. Use your existing probes, sensors and most plug-in cards.
- UL/cUL approved, file # E139464
- Third-party approved for In-Tank and Secondary Containment Leak Detection.

| Current Tank Inventory |                  |                |                |                               |             |       |            |                   |                 |          |
|------------------------|------------------|----------------|----------------|-------------------------------|-------------|-------|------------|-------------------|-----------------|----------|
| Smiths Tank Farm       |                  | Site ID: 10352 | Unit ID: 1     | Report Date: 10/ 4/2018 10:35 |             |       |            |                   |                 |          |
| Tank ID                | Tank Name        | Status         | Alarms         | Gross Vol Gal                 | Net Vol Gal | % Vol | Ullage Gal | Product Height In | Water Height In | Temp ° F |
| 1                      | Diesel           |                |                | 14081                         | 13969       | 70.4  | 3918       | 54.2              | 1.1             | 77.6     |
| 2                      | Diesel           |                |                | 13692                         | 13591       | 68.4  | 4307       | 52.7              | 1.8             | 76.3     |
| 3                      | Diesel           |                |                | 9458                          | 9390        | 47.2  | 8541       | 36.4              | .8              | 76.0     |
| 4                      | Diesel           |                | High Water     | 35409                         | 35153       | 59.0  | 18590      | 59.0              | 2.3             | 76.0     |
| 5                      | Regular          |                | Low Prod       | 2866                          | 2836        | 19.1  | 10633      | 14.7              | .6              | 76.0     |
| 6                      | Plus             | Leak Test IP   |                | 12314                         | 12181       | 82.0  | 1185       | 63.2              | 1.2             | 76.6     |
| 7                      | Super            |                | Crit High Prod | 14399                         | 14240       | 95.9  | 0          | 73.9              | .8              | 76.9     |
| 8                      | Transmission Oil |                |                | 1855                          | 1841        | 46.3  | 1744       | 35.7              | .4              | 76.1     |

**Landscape Inventory Print**