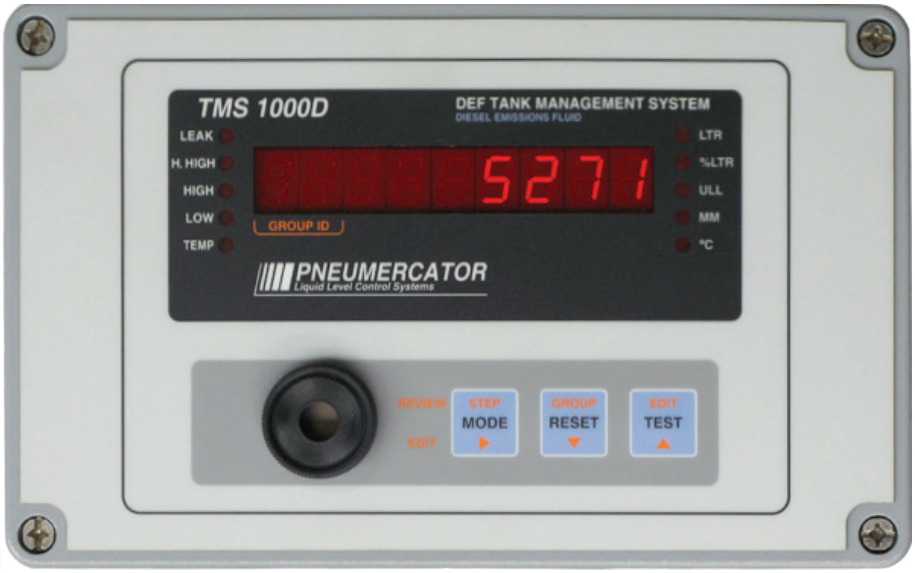
Low Cost, Single-Tank Gauging System w/Temperature Control and Secondary Containment Leak Detection for Diesel Emissions Fluid (DEF)



Console

- Dimensions (W x H x D): 10.2” x 6.3” x 4.0” (259 mm x 160 mm x 102 mm)
- Weight: 6 lb (2.7 kg)
- Operating Temperature: -40 ºF to 160 ºF (-40 ºC to 70 ºC)
- Humidity: 95% Non-condensing
- Enclosure Rating: NEMA 4X (IP66) (Epoxy Powder-Coated Alloy Enclosure)
- Power Requirements: 115/230 VAC ±15% Switchable, 50-60 Hz, 10 W Max.
- Memory: Configuration / Setup Data – EEPROM, 50 year data retention, no batteries
  Log Reports and Real-Time Clock – Lithium Battery-Backed RAM, 5-10 year data retention
- Audible Alarm: 100 db
- Display: 9-Character, Super Bright LED Data Display, Readable from 25’ (7.6 m)
  Ultra-High Intensity Alarm LEDS, Visible from 75’ (22.9 m)
- Display Data: Gross Volume, Net Volume (Temperature Corrected), % Volume, Ullage, Product Level, Product Temperature
- Communications: RS-232 Included Standard, RJ-13 Jack
  Internal, Secured Modem, Network Interface or ModBus Optional
- Probe / Sensor Capacities: 1 Magnetostrictive Probe – MP55xS or MP56x Series
  2 Leak/Point-Level Sensors, Supervised Wiring Ready
- I / O, Non-Haz.: Standard: 4 Relays, 1 Form A, Rated 5A @120/240 VAC, w/ 2 Opto-Isolated Inputs
  No Expansion
- Alarms: High-High, High, Low, Temperature and Secondary Containment Leak
- Relay Controls: Product - Critical High, High-High, High, Low, Low-Low, Critical Low
  Temperature - High-High, High, Low, Low-Low
  Secondary Containment Leak Sensor Input
  Non-Hazardous Contact Closure Input

PNEUMERCATOR
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Probe

- Technology: Magnetostrictive, Single-Float, w/ reflection resolution doubling
- Accuracy (Minimum):
  - MP55xS: Product Level: 0.01” (0.25 mm); Temperature: 0.1 ºF (0.06 ºC)
  - MP56x: Product Level: 0.01” (0.25 mm); Temperature: 0.1 ºF (0.06 ºC)
- Wetted Materials: Shaft: 316 SS Rigid, PVDF Flexible; Float: 316 SS
- Mounting: 2” minimum riser or direct bushing/flange mount
- Temperature Sensing: Single sensor standard. Five sensor array available
- Location Approval: Ordinary
- Operating Temperature: -40 ºF to 175 ºF (-40 ºC to 80 ºC)
- Operating Pressure: 150 PSIG (1034 kPa) 316SS, 50 PSIG (345 kPa) PVDF
- Field Wiring: 22AWG, 3-Conductor w/ shield and drain wire; Belden 6501FE or equiv., maximum length 50’ (15.2 m)
- Models: MP55xS Series rigid SS max. length 24’ (7.3 m); MP56x Series flex. PVDF max. length 70’ (21.3 m)

Sensors

- ES825-300FL: Electronic, Non-Discriminating - Containment, Manway and Piping Sumps, Dispenser Pan, Dry Annular
- LS600LD: Float, Containment, Manway and Piping Sumps, Dispenser Pan
- LS600xx: Multi-Float, High / Low Level and Pump Control
- RSU800: Float, Wet Annular / Reservoir
- LS610: Float, Dry Annular

Most sensors are available with Fault-Detect Supervised sensor and wiring option. Add “FL” Suffix to Model Number

70039 – TMS1000D Spec Sheet – 10-21-2026
Note: Specifications subject to change w/o notice.

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