

Low Cost, Two-Tank Gauging System w/ EPA-Compliant In-Tank and Secondary Containment Leak Detection



Console

- Dimensions: 11.8" W x 11.5"H x 4.75"D
- Weight: 14 lbs (w/ Printer)
- Operating Temperature: -40° to +160° F (-40° to +70 C) w/o Printer
-5° to +140° F (-20° to +60 C) w/ Printer
- Humidity: 95% Non-condensing
- Enclosure Rating: Locking NEMA 12, NEMA 4 or NEMA 4X(316 S.S.)
- Power Requirements: 115/230 VAC ±15% Switchable, 50-60Hz, 20W Max.
8-16 VDC or 16-60 VDC Optional
- 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: 85db
- Display: 9-Character, Super Bright LED Data Display, Readable from 25'
Ultra-High Intensity Alarm LEDS, Visible from 75'
- Communications: RS-232 Included Standard, RJ-13 Jack
RS-485 Included Standard, RJ-13 Jack (For Pneumercator Peripherals)
Internal, Secured Modem, Fax / Modem, Network Interface or ModBus Optional
- Probe / Sensor Capacities: 2 Magnetostrictive Probes
8 Leak Sensors, Supervised Wiring Ready
- I / O, Non-Haz.: Standard: 2 Relays, 1 Form C, Rated 10A @120, 6A @240 VAC, w/ 2 Opto-Isolated Inputs
Expansion Options: (1 slot available)
4 Relays, 1 Form C, Rated 10A @120, 6A @240 VAC, w/ 4 Opto-Isolated Inputs
8 Relays, 1 Form A, Rated 5A @120, 5A @240 VAC w/ 8 Opto-Isolated Inputs
16 Relays, 1 Form A, Rated 5A @120, 5A @240 VAC
6 or 12-Ch. Programmable Analog Outputs:
0-1mA, 0-20ma, 0-24ma, 4-20ma, 0-5VDC, 1-5VDC

Probe

- Technology: Magnetostrictive, Dual Float, w/ reflection resolution doubling
- Accuracy (Minimum):

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|------------------------|-----------------------|
| MP45xS: | MP46x: |
| Product Level: 0.0005" | Product Level: 0.01" |
| Water Level: 0.001" | Water Level: 0.01" |
| Temperature: 0.001° F | Temperature: 0.001° F |
- Materials: Shaft: 316 SS or Kynar
Floats: Urethane, 316 SS, Buna-N, or Kynar-coated
- Mounting: In-Tank Leak Testing: 4" diameter riser
Inventory Only: 2" minimum riser or direct bushing / flange mount
- Temperature Sensing: 5 Thermistors in shaft, 1 in probe head
- Location Approval: UL Class I, Div 1, Groups C and D; cUL Class I, Zone 0, Group IIB
- Operating Temperature: -40° to +175°F (-40° to +80° C)
- Operating Pressure: 150 PSIG 316SS, 50 PSIG Kynar
- Field Wiring: 22AWG, 2-Conductor twisted pair w/ shield
Belden 8441, Belden 8761, Alpha 1736C or equiv., maximum length 3000' to 4600'
- Models: MP45xS Series rigid SS max. length 24', MP46x Series flex. Kynar max. length 70'

Sensors

- ES825-200F Electronic, Discriminating - Containment, Manway and Piping Sumps, Dispenser Pan, Dry Annular
- ES825-100F 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
- HS100D Polymer / Float – Wet Well, 10' to 25' depth
- HS100-ND Polymer – Dry Containment, 1' to 15' length

Most sensors are available with Fault-Detect Supervised sensor and wiring option. Add "F" Suffix to Model Number

Remote Displays

- ETD1000 Addressable (up to 16), Multi-Drop, Remote Electronic Tank Display Panel
- TD1000 Tandem Remote Display

Certifications / Approvals

- UL/cUL Approved, File #E139464
- FCC Part 15B, Part 68
- Third-Party Approved, EPA-Compliant for In-Tank Leak Testing:

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| Up to 20,000 Gal. tank capacity, minimum tank inventory for test 20% | |
| 0.2 GPH Leak Test: | Pd = 99.9%, Pfa = 0.1% |
| 0.2 GPH Quick Test: | Pd = 95%, Pfa = 5% |
| 0.1 GPH Precision Test: | Pd = 95.3%, Pfa = 4.7% |
| Up to 75,000 Gal. tank capacity, minimum tank inventory for test 50% | |
| 0.2 GPH Leak Test: | Pd = 97.3%, Pfa = 2.7% |
- NYC, City of LA and various other state and local agencies

Note: Specifications subject to change without notice. 07-01-2009