

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



### Console

- Dimensions (W x H x D): 11.8" x 11.5" x 4.75" (300 mm x 292 mm x 121 mm)
- Weight: 14 lb (6.4 kg) (w/ Printer)
- Operating Temperature: -40 °F to +160 °F (-40 °C to +70 °C) w/o Printer  
-5 °F to +140 °F (-20 °C to +60 °C) w/ Printer
- Humidity: 95% Non-condensing
- Enclosure Rating: Locking NEMA 12 (IP52), NEMA 4 (IP56) or NEMA 4X (IP66) (304 SS)
- Power Requirements: 115/230 VAC  $\pm$ 15% (w/o Printer) Switchable, 50-60 Hz, 20 W 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: 85 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)
- 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 VAC, 6A@240 VAC, w/ 2 Opto-Isolated Inputs  
Expansion Options: (1 slot available)  
4 Relays, 1 Form C, Rated 10A@120 VAC, 6A@240 VAC, w/ 4 Opto-Isolated Inputs  
8 Relays, 1 Form A, Rated 5A@120 VAC, 5A@240 VAC w/ 8 Opto-Isolated Inputs  
16 Relays, 1 Form A, Rated 5A@120 VAC, 5A@240 VAC  
6 or 12-Ch. Programmable Analog Outputs:  
0-1 mA, 0-20 mA, 0-24 mA, 4-20 mA, 0-5 VDC, 1-5 VDC

## Probe

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

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| MP45xS:                           | MP46x:                            |
| Product Level: 0.0005" (0.013 mm) | Product Level: 0.01" (0.25 mm)    |
| Water Level: 0.001" (0.025 mm)    | Water Level: 0.01" (0.25 mm)      |
| Temperature: 0.001 °F (0.0006 °C) | Temperature: 0.001 °F (0.0006 °C) |
- Materials: Shaft: 316 SS or PVDF  
Floats: 316 SS, Buna-N, Urethane, or PVDF
- Mounting: In-Tank Leak Testing: 4" (102 mm) diameter riser  
Inventory Only: 2" (51 mm) 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 °F to 175 °F (-40 °C to 80 °C)
- Operating Pressure: 150 PSIG (1034 kPa) 316 SS, 50 PSIG (345 kPa) PVDF
- Field Wiring: 22AWG, 2-Conductor twisted pair w/ shield  
Belden 8441, Belden 8761, Alpha 1736C or equiv., maximum length 3000' to 4600' (914 m to 1402 m)
- Models: MP45xS Series rigid SS max. length 24' (7.3 m), MP46x Series flex. PVDF max. length 70' (21.3 m)

## 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
- HS100D2 Polymer / Float – Wet Well, up to 45' (up to 13.7 m) depth
- HS100ND Polymer – Dry Containment, 1' to 45' (0.3 m to 13.7 m) length
- LLP203 3 GPH Catastrophic Line Leak Detector

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

## Remote Displays

- ETD1000T Addressable (up to 16), Multi-Drop, Touchscreen-Based, Remote Electronic Tank Display Panel
- ETD1000 Addressable (up to 16), Multi-Drop, Remote Electronic Tank Display Panel
- RA400 Addressable (up to 16), Multi-Drop, Programmable Remote Audible/Visual Alarm Panel
- ETD1000W Wireless Remote Electronic Tank Display Panel\*
- RA400W Wireless Programmable Remote Audible/Visual Alarm Panel\*

\*Note: MPX200 Master Peripheral Expansion Module required.

## Certifications / Approvals

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

|                                                                                      |                        |
|--------------------------------------------------------------------------------------|------------------------|
| Up to 20,000 Gal. (75,708 Liter) tank capacity, minimum tank inventory for test 20%  |                        |
| 0.2 GPH (0.8 LPH) Leak Test:                                                         | Pd = 99.9%, Pfa = 0.1% |
| 0.2 GPH (0.8 LPH) Quick Test:                                                        | Pd = 95%, Pfa = 5%     |
| 0.1 GPH (0.4 LPH) Precision Test:                                                    | Pd = 95.3%, Pfa = 4.7% |
| Up to 75,000 Gal. (283,906 Liter) tank capacity, minimum tank inventory for test 50% |                        |
| 0.2 GPH (0.8 LPH) Leak Test:                                                         | Pd = 97.3%, Pfa = 2.7% |
- NYC, City of LA and various other state and local agencies

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Note: Specifications subject to change without notice.



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