

## Modular, Multi-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 7.7" (300mm x 292mm x 178mm)
- Weight: 19 lb (8.6 kg) (4-Tank w/ Printer), 21.5 lb (9.8 kg) (12-Tank 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 (IP56) (304 SS)
- Power Requirements: 115/230 VAC ±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 Sunlight-Readable 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  
(Additional RS-232 port accessible when configured without printer or modem)  
RS-485 Included Standard, RJ-13 Jack (For Pneumercator Peripherals)  
Internal, Secured Modem, Fax / Modem, Network Interface or ModBus Optional
- Probe / Sensor Capacities: 4/40, 8/32 or 12/24 (Probes/Sensors)  
All Sensor Inputs Supervised-Wiring-Ready
- I/O, Non-Haz.: Expansion Options (2 slots available):  
4 Relays, 1 Form C, Rated 10 A@120, 6 A@240 VAC, w/ 4 Opto-Isolated Inputs  
8 Relays, 1 Form A, Rated 5 A@120, 5 A@240 VAC, w/ 8 Opto-Isolated Inputs  
16 Relays, 1 Form A, Rated 5 A@120, 5 A@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

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- 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" (102mm) 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, 8761, Alpha 1736C or equiv., max. length 3000' to 4600' (914 m to 1402 m)
- Models: MP45xS Series rigid SS max. length 24' (7.3 m)  
MP46xS Series flex. PVDF max. length 70' (21.3 m)

## Sensors

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- ES825-200F Electronic, Discriminating - Containment, Manway and Piping Sumps, Dispenser Pan, Dry Annular, Includes Fault Detection Feature as Standard
- ES825-100F Electronic, Non-Discriminating - Containment, Manway and Piping Sumps, Dispenser Pan, Dry Annular, Includes Fault Detection Feature as Standard
- 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

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

## Certifications / Approvals

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- UL/cUL Approved, File #E139464
- FCC Part 15B, Part 68
- Third-Party Approved, EPA-Compliant:
 

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

Note: Specifications subject to change without notice. 10-07-2022