

## Modular, Multi-Tank Gauging System w/Color Touch Screen Suitable for Indoor and Outdoor Applications, EPA-Compliant In-Tank and Secondary Containment Leak Detection



### Console

- Dimensions (W x H x D): 14.3" x 11.8" x 7.9" (363 mm x 300 mm x 200 mm)
- Weight: 21 lb (9.6 kg) (4-Tank w/ Printer), 23.5 lb (10.7 kg) (12-Tank w/ Printer)
- Operating Temperature: -22 °F to 160 °F (-30 °C to 70 °C) w/o Printer (Consult factory for applications below -22 °F)  
-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% Autoswitching, 50-60 Hz, 30 W Max.  
8-16 VDC or 16-60 VDC Optional
- Memory: Configuration/Setup Data – SD Card, 50 year data retention, no batteries  
Log Reports – Removable SD Card, 50 year data retention, no batteries  
Real-Time Clock – Lithium Battery-Backed
- Audible Alarm: 85 db
- Display: 10.4" (264 mm) Diagonal SVGA LCD w/Integral Touch Panel – Glove Touchable  
NEMA 12 - Standard Brightness  
NEMA 4X - Sunlight-Readable  
Dedicated Ultra-High Intensity POWER, NORMAL, ALARM LEDs, Visible from 75' (22.9 m)
- Communications: Two (2) RS-232 Included Standard, RJ-13 Jack, Optional Expansion to six (6)  
RS-485 Included Standard, RJ-13 Jack (For Pneumercator Peripherals)  
Ethernet TCP/IP Port Included Standard  
USB Host and Client Included Standard  
Internal, Secured Modem, Fax / Modem or Single/Multi-Channel 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 VAC, 6 A@240 VAC, w/ 4 Opto-Isolated Inputs  
8 Relays, 1 Form A, Rated 5 A@120 VAC, 5 A@240 VAC, w/ 8 Opto-Isolated Inputs  
16 Relays, 1 Form A, Rated 5 A@120 VAC, 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) 316SS, 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
- HS100D Polymer / Float – Wet Well, 10' to 25' (4.7 m to 7.6 m) depth
- HS100ND Polymer – Dry Containment, 1' to 45' (0.3 m to 13.8 m) length

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
- 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

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- UL/cUL Approved, File #E139464