

## Modular, Multi-Tank Gauging System w/ EPA-Compliant In-Tank and Secondary Containment Leak Detection



### Console

- Dimensions: 11.8" W x 11.5"H x 6.0"D
- Weight: 19 lbs (4-Tank w/ Printer), 21.5 lbs (12-Tank 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: 120 / 240 VAC Switchable, 50-60Hz, 20W 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: 85db
- Display: 9-Character, Super Bright LED Data Display, Readable from 25'  
Ultra-High Intensity Alarm LEDs, Visible from 75'
- Communications: RS232 Included Standard, RJ-13 Jack  
RS485 Included Standard, RJ-13 Jack (For Pneumercator Peripherals)  
Internal, Secured Modem, Fax / Modem, or Network Interface Optional
- Probe / Sensor Capacities: 4,8 or 12 Magnetostrictive Probes  
8,16 or 24 Leak Sensors, Supervised Wiring Ready
- I / O, Non-Haz.: Expansion Options: (2 slots available)  
4 Relays, 1 Form C, Rated 10A @120, 5A @240 VAC, w/ 4 Opto-Isolated Inputs  
16 Relays, 1 Form A, Rated 5A @120, 5A @240 VAC  
6 or 12-Ch. Programmable Analog Outputs: 0-20ma, 0-24ma, 4-20ma, 0-5VDC, 1-5VDC

**Probe**

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

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
- 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 25', MP46x Series flex. Kynar max. length 50'

**Sensors**

- Model ES825-200F \* Electronic, Discriminating - Containment, Manway and Piping Sumps, Dispenser Pan, Dry Annular
- Model ES825-100F \* Electronic, Non-Discriminating - Containment, Manway and Piping Sumps, Dispenser Pan, Dry Annular
- Model LS600LD\* Float, Containment, Manway and Piping Sumps, Dispenser Pan
- Model LS600xx\* Multi-Float, High / Low Level and Pump Control
- Model RSU800\* Float, Wet Annular / Reservoir
- Model LS610\* Float, Dry Annular
- Model HS100\* Polymer / Float – Wet Well, 10' to 25' depth
- LLP3000 Pressure Decay – Single-Wall buried piping

All sensors marked with "\*" available with Fault-Detect Supervised sensor and wiring option. Add "F" Suffix to Model Number

**Certifications / Approvals**

- UL Approved, File #E139464, CSA approval pending
- FCC Part 15B, Part 68
- Third-Party Approved, EPA-Compliant:
  - 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. 10-02-2002



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