

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 (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 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
- HS100D Polymer / Float – Wet Well, 10' to 25' (3 m to 7.6 m) depth
- HS100ND Polymer – Dry Containment, 1' to 45' (0.3 m to 13.7 m) 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:

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. 04-01-2015



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