Low Cost, Single-Tank Gauging System w/Temperature Control and Secondary Containment Leak Detection for Water Management Applications



Console

- Dimensions (W x H x D): 10.2” x 6.3” x 4.0” (259 mm x 160 mm x 102 mm)
- Weight: 6 lb (2.7 kg)
- Operating Temperature: -40 ºF to 160 ºF (-40 ºC to 70 ºC)
- Humidity: 95% Non-condensing
- Enclosure Rating: NEMA 4X (IP66) (Epoxy Powder-Coated Alloy Enclosure)
- Power Requirements: 115/230 VAC ±15% Switchable, 50-60 Hz, 10 W 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: 100 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)
- Display Data: Gross Volume, Net Volume (Temperature Corrected), % Volume, Ullage,
  Water Level, Water Temperature
- Communications: RS-232 Included Standard, RJ-13 Jack
  Internal, Secured Modem, Network Interface or ModBus Optional
- Probe / Sensor Capacities: 1 Magnetostrictive Probe – MP55x or MP56x Series
  2 Leak/Point-Level Sensors, Supervised Wiring Ready
- I / O, Non-Haz.: Standard: 4 Relays, 1 Form A, Rated 5A @120/240 VAC, w/ 2 Opto-Isolated Inputs
  No Expansion
- Alarms: High-High, High, Low, Temperature and Secondary Containment Leak
- Relay Controls: Water - Critical High, High-High, High, Low, Low-Low, Critical Low
  Temperature - High-High, High, Low, Low-Low
  Secondary Containment Leak Sensor Input
  Non-Hazardous Contact Closure Input

PNEUMERCATOR
Pneumercator Company, Inc.
1785 Expressway Drive North
Hauppauge, New York 11788
Tel: (631) 293-8450
Fax: (631) 293-8533
http://www.pneumercator.com

Probe

• Technology:	Magnetostrictive, Single-Float, w/ reflection resolution doubling	
• Accuracy (Minimum):	MP55xS:	MP56x:
	Product Level: 0.01” (0.25 mm)	Product Level: 0.01” (0.25 mm)
	Temperature: 0.1 ºF (0.06 ºC)	Temperature: 0.1 ºF (0.06 ºC)
• Materials:	Shaft: 316 SS Rigid, PVDF Flexible	
	Float: 316 SS or Buna-N	
• Mounting:	Inventory Only: 2” minimum riser (4” preferred), direct bushing/flange, sanitary mount	
• Temperature Sensing:	Single sensor standard. Five sensor array available	
• Location Approval:	Ordinary	
• Operating Temperature:	-40 ºF to 175 ºF (-40 ºC to 80 ºC)	
• Operating Pressure:	150 PSIG (1034 kPa) 316SS, 50 PSIG (345 kPa) PVDF	
• Field Wiring:	22AWG, 3-Conductor w/ shield and drain wire	
	Belden 6501FE or equiv., maximum length 50’ (15.2 m)	
• Models:	MP55xS Series rigid SS max. length 24’ (7.3 m)	
	MP56x Series flex. PVDF max. length 70’ (21.3 m)	

Sensors

• ES825-300FL	Electronic, Non-Discriminating - Containment, Manway and Piping Sumps, Dry Annular
• LS600LD	Float, Containment, Manway and Piping Sumps
• LS600xx	Multi-Float, High / Low Level and Pump Control
• RSU800	Float, Wet Annular / Reservoir
• LS610	Float, Dry Annular

Most sensors are available with Fault-Detect Supervised sensor and wiring option. Add “FL” Suffix to Model Number

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