Tank Level Measurement System

LP3 SERIES

- Ethernet/IP, DF1 over ethernet/IP, Allen-Bradley DH485, Modbus TCP/IP
- Graphic 10.4" color LCD touch screen terminal HMI
- 8-tank, 16-tank, 24-tank, 32-tank system options
- Pre-configured tank capacity (volumetric) database

APPLICATIONS

- Tank level indication
- Marine
  - Tank level, draft monitoring and vessel management
  - Ballast water
  - Fuel oil
  - Fresh water
  - Lube oil
  - Brine
  - Preload
  - Holding

SPECIFICATIONS

HMI display panel	Color 10.4-in. LCD, active matrix (TFT), 640 x 480 VGA (256 colors), resistive analog touch screen
External memory	CompactFlash Type II slot
Network drivers	Ethernet/IP Allen-Bradley DF1 over TCP Allen-Bradley DF1 / DH485 Modbus TCP/IP Kingbus ASCII
Serial ports	Ethernet 10 Base-T/100 Base-TX (RJ45) RS485 (RJ12) RS232 (RJ12) USB 1.1 (Type B)
External power requirements	110-120 Vac, 50/60 Hz, 2.8 Amperes (internally fused at 6.3 A)
Signal inputs	4 mA to 20 mA, two wire (w/ 24 Vdc excitation option); 8-32 input channels
Operating temperature range	32 °F to 125 °F (0 °C to 50 °C)
Enclosure	Type 4X (UL50), IP 66, 304 Stainless Steel, hinged latching cover

Standard system configurations: 8-tank system; 16-tank system; 24-tank system; 32-tank system (includes HMI, analog inputs, power supply)

Enhanced system configurations: 8-tank system; 16-tank system; 24-tank system; 32-tank system (includes HMI, analog inputs, analog outputs, power supply)

ORDERING INFORMATION

SERIES	**LP3**	Tank Level Measurement System		
SYSTEMS	**00**	Satellite w/ Compact Flash card	**24**	24-tank system
	08	8-tank system	**32**	32-tank system
	16	16-tank system		

NOTES: Complete tank gauging system includes color touch screen LCD display, signal input modules, and 24 Vdc for powering typical two wire 4-20 mAdc transmitters. Requires 100-240 Vac 50/60 Hz for operation. 304 Stainless Steel enclosure for wall mounting intended to meet NEMA 4X.

Engineered Stainless Steel enclosures listed are splash-proof and UL-listed. Intended to meet NEMA 4X. Includes Hubbell cable relief fittings (3), suitable for splash-tight installation. 10.4 color touch screen display is UL listed and has IP68 rating.
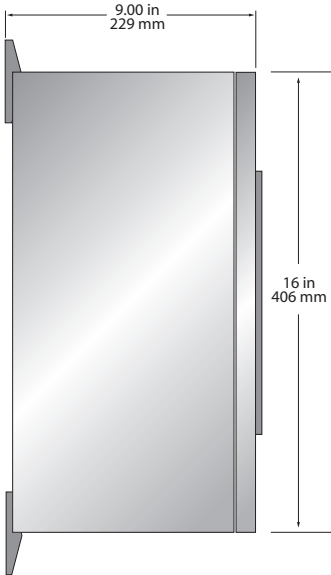
iButton Datapack (application programming), part number 4223, can be added separately for each tank

EXAMPLE

LP3 16

Series ....LP3 Series
System ....16-tank system

20 in
508 mm

9.00 in
229 mm

16 in
406 mm

4 x Ø 0.41 in

Front View

Side View

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