

# LP2 Multiple Tank Indicator With Optional Set Point Controller



LP2 Multiple Tank Display



LP2 Multiple Tank Display With Optional SP Set Point Controller

## 4641 SERIES

### LP2 Multiple Tank Display

- 8 tank input channels
- Dual serial communications ports
- Nonvolatile datapack iButton memory
- Provides a 24 Vdc transmitter excitation
- Operator interface keypad

### LP2 Multiple Tank Display With Optional SP Set Point Controller

- Includes multiple tank display for continuous measurement of liquid inventory in storage or processing tanks
- Direct entry of digital setpoints
- Dual SPDT controller relays per channel

### APPLICATIONS

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

### SPECIFICATIONS

Power requirements	100-240 Vac, 50-60 Hz, 25 watts (fused internally for 2.5 A 120/250 V)
Temperature range (Environmental)	30 °F to 120 °F (-1 °C to 49 °C) operating range
Signal input	4 mA to 20 mA (mAdc)
Input channels	8 input channels; two wire 4 mA to 20 mA analog signal
Keypad	Membrane numeric keypad, five (5) function keys, positive tactile response
Power output	24 Vdc nominal; fused @ 0.5 Amp
Input impedance (Resistance)	120 ohm nominal (2.4 Vdc drop @ 20 mAdc)
Memory	Nonvolatile 64kbit memory iButton
Digital readout	Alphanumeric 0.3173 in. (8 mm) 16-character x 2-line LCD; numeric 8-digit (0-99999999 maximum)
Accuracy	±0.048% Full scale (±0.024% Full scale, typical)
Resolution	±0.024% FS maximum (±0.004 mA)
Communications	Two (2) serial EIA RS-485 ports; two wire multidrop
Setpoint relays (SP version)	Sixteen (16) independent user setpoints; two (2) setpoints per tank channel; SPDT (form-C) relays, maximum 3.0 A @ 115 Vac. Rated for minimum 100,000 cycle/life at rated load.; continuously adjustable over full input range.
Status display panel (SP version)	LED setpoint indicators for visual confirmation when individual SPDT relays are energized.
Enclosures	LP2 Single & Multiple Tank Display: Engineered thermoplastic (NO-RYL) enclosure; UL 50, NEMA type 3, 3S, 4, 4X, 12; hinged cover with dual latching screws. Optional 14 gauge Stainless Steel enclosure; UL 50 type 4, 4X, 12, 13; hinged cover with dual latching screw lugs. LP2 SP Multiple Tank Indicator/Setpoint Controller: Fiberglass-reinforced polyester (FRP) enclosure; U.L. listed (U.L. 508) types 3, 3R, 3S, 4, 4X, and 12. Optional 304 Stainless Steel enclosure; overall maximum dimensions 5-1/2" H x 13" W x 6" D.



ORDERING INFORMATION			
<b>SERIES</b>	4641 LP2 Multiple Tank Indicator With Optional Set Point Controller		
<b>ENCLOSURE OPTIONS</b>	2 FRP enclosure, standard	3 304 Stainless Steel	4 Flush mount (Set Point Controller version only)
<b>CONFIGURATIONS *</b>	0 Multiple tank	1 L/H SETPT1 low, SETPT2 high (Optional Set Point Controller version)	2 H/H SETPT1 high, SETPT2 high (Optional Set Point Controller version)

**NOTE:** Engineered FRP and Stainless Steel enclosures listed are splash-proof and UL-listed. Intended to meet NEMA 4X. Includes Hubbell cable relief fittings (3), suitable for splash-light installation.

\* Must be ordered with Part Number 4223 iButton Datapack (application programming) Part Number 4223, see page 74 for details.

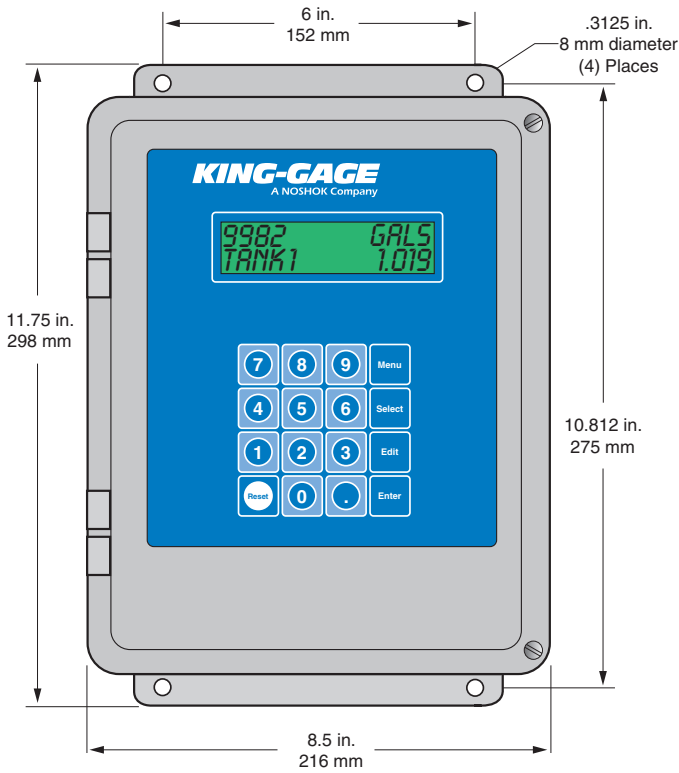
### EXAMPLE

Series ..... 4641 Series  
 Enclosure option ..... FRP  
 Configuration ..... Multiple tank

**4641 - 2 - 0**



**LP2 Multiple Tank Display**



**LP2 SP Set Point Controller**

