## **LevelBAR Electronic Column Indicator**



## **APPLICATIONS**

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

## **5111** SERIES

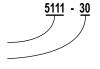
- · High visibility tank level display
- Individually calibrated indicator scale
- Electronic (4 mA to 20 mA) or pneumatic input
- · Direct replacement for manometer gauges

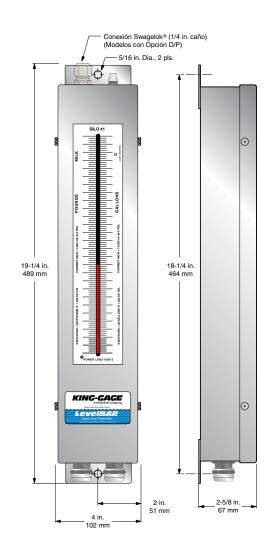
SPECIFICATIONS						
Display accuracy/resolution	1%					
Display type	100-segment LED (light emitting diode)					
Display length	10"/254 mm					
Input power	100-240 Vac, 50/60 Hz					
Output power	24 Vdc (transmitter excitation)					
Input impedance (resistance)	150 ohm nominal (3.0 Vdc drop @ 20 mA)					
Current limiting (overload)	Automatic trip/reset circuit using PTC (positive temperature coefficient) resistor holds maximum current level within operating range of internal components.					
Temperature range (Environmental)	30 °F to 120 °F (-1 °C to 49 °C) operating range					
Signal input (Electronic input model)	4-12 mAdc (min.) to 4-20 mAdc full scale range					
Pressure ranges (D/P option models)	0–5, –10, –15, –30, –50 psid fixed range transmitter element (accepts clean, dry air/gas pressure input). Maximum pressure rating is 300% FS. Minimum pressure range for proper operation is 50% of nominal. The lowest acceptable input pressure range is 0–2.5 psid using the 0–5 psid transducer element.					
Transmitter accuracy (D/P option models)	0.5% FS					
Output (D/P option models)	4–20 mAdc (assumes FSO)					
Maximum load capacity (D/P option models)	1400 ohms @ 40 Vdc (external power) 600 ohms @ 24 Vdc (internal power)					
Physical data	304 Stainless Steel housing and cover with gasket seal, transparent polycarbonate display window. Intended to meet splash proof requirements. The use of waterproof conduit hubs or fittings may be required during installation. Not rated for continuous explosion hazard areas.					

ORDERING INFORMATION								
SERIES	5111	LevelBAR Electronic Column Indicator						
INPUT TYPES/RANGES		0-5 psid nominal range; Min. Full Scale: 0-69 in. water depth (0-1.8 m water); Max. Full Scale: 0-138 in. water depth (0-3.5 m water	22	0-15 psid nominal range; Min. Full		0-50 psid nominal range; Min. Full Scale:		
Pneumatic Input with Internal D/P Transmitter	20			Scale: 0-207 in. water depth (0-5.3 m water); Max. Full Scale: 0-415 in. water depth (0-10.5 m water	24	0-692 in. water depth (0-17.6 m water); Max. Full Scale: 0-1384 in. water depth (0-35.1 m water		
	21	0-10 psid nominal range; Min. Full Scale: 0-138 in. water depth (0-3.5 m water); Max. Full Scale: 0-276 in. water depth (0-7.0 m water	23	0-30 psid nominal range; Min. Full Scale: 0-415 in. water depth (0-10.5 m water); Max. Full Scale: 0-830 in. water depth (0-21.0 m water	25	0-2 psid nominal range; Min. Full Scale: 0-28 in. water depth (0-0.7 m water);Max. Full Scale: 0-83 in. water depth (0-2.1 m water)		
mA Input	10	4-12 mAdc through 4-20 mAdc						
Hand Pump Operation for Downpipe Purge*	30	0-5 psid w/ hand pump; Min. Full Scale: 0-69 in. water depth (0-1.8 m water); Max. Full Scale: 0-138 in. water depth (0-3.5 m water)	31	0-10 psid w/ hand pump; Min. Full Scale: 0-138 in. water depth (0-3.5 m water); Max. Full Scale: 0-276 in. water depth (0-7.0 m water)	35	0-2 psid w/ hand pump; Min. Full Scale: 0-28 in. water depth (0-0.7 m water); Max. Full Scale: 0-83 in. water depth (0-2.1 m water)		

## **EXAMPLE**

Input type/range .......0-5 psid w/ hand pump; Min. Full Scale: 0-69 in. water depth (0-1.8 m water); Max. Full Scale: 0-138 in. water depth (0-3.5 m water)





NOTE: Scale information must be supplied when order is placed

\* Typical applications should not exceed 10 feet / 3 meters. Greater depth will require excessive hand pumping.