

ES2 Slimline



550 SERIES

- Designed for inventory monitoring
- Robust protection in washdown environments
- Continuous liquid level measurement
- Excellent stability and repeatability
- Two-wire loop powered (4 mA to 20 mA)
- Available retrofit adapters include Cherry-Burrell LevelMatic, Anderson Instrument, Rosemount/Foxboro, Tank Mate and Wizard

APPLICATIONS

- Food & beverage
- Chemical processing
- Power generation
- Pharmaceutical
- Water & wastewater
- Pulp & paper
- Marine

SPECIFICATIONS

Span adjustment range*	Nominal	Minimum	Range of Adjustment
0-5 psig	0-3 psig	0-3 psig	0-83 inH ₂ O through 0-138 inH ₂ O 0-2.1 m through 0-3.5 m water
0-10 psig	0-3 psig	0-3 psig	0-83 inH ₂ O through 0-277 inH ₂ O/ 0-2.1 m through 0-7.0 m water
0-15 psig	0-3 psig	0-3 psig	0-83 inH ₂ O through 0-415 inH ₂ O/ 0-2.1 m through 0-10.5 m water
0-30 psig	0-10 psig	0-10 psig	0-277 inH ₂ O through 0-830 inH ₂ O/ 0-7.0 m through 0-21.0 m water
0-50 psig	0-15 psig	0-15 psig	0-415 inH ₂ O through 0-1384 inH ₂ O/ 0-10.5 m through 0-35.1 m water
Operating limit (maximum pressure)	Pressure above 300% nominal range (over-range) will result in damage to the transmitter (200% may cause a shift in calibration).		
Accuracy	Less than ±0.20% full scale (Includes linearity, hysteresis, non-repeatability errors)		
Pressure media	Gas or liquids compatible with 316 Stainless Steel (diaphragm); Silicone rubber (o-ring). All other wetted parts 316L.		
Electrical	Input (excitation): 14 Vdc to 40 Vdc Output (mA _{dc}): 4 mA to 20 mA		
Linearity (worst case)	Less than ±0.13% full scale Hysteresis (worst case) Less than 0.05% full scale		
Non-repeatability (worst case)	Less than 0.02% full scale		
Operating temperature range	0 °F to 175 °F / -17 °C to 79 °C		

* Transmitter turndown ratio is 3:1 for the 0-15 psig, 0-30 psig and 0-50 psig nominal ranges. IMPORTANT! Accuracy, linearity, and non-repeatability values are based on nominal range.

ORDERING INFORMATION			
SERIES	550		
MOUNTING APPLICATIONS	1 Short mount (single wall, non-insulated tank)	2 Standard mount (insulated wall up to 4.5" / 114 mm; or adapter for non-KING "short" shell)	3 Long mount (insulated wall up to 6.75" / 171 mm; or adapter for non-KING "standard" shell)
CONNECTION/TERMINATION	3 Cable with integral molded connector (M12)		
PRESSURE RANGES	05 0-5 psig / 0-0.3 bar	15 0-15 psig / 0-1.03 bar	50 0-50 psig / 0-3.44 bar
	10 0-10 psig / 0-0.69 bar	30 0-30 psig / 0-2.06 bar	

EXAMPLE

Series550 Series
 Mounting applicationStandard mount
 Connection/terminationCable with integral molded connector (M12)
 Pressure range0-5 psig / 0-0.3 bar

550 2 - 3 - 05

