

Water / Wastewater Level Transmitters



Model BC001 Birdcage[®]

*The Industry standard for reliable
lift-station level transmitters.*



Water / Wastewater Level Transmitters



MODEL BC001 Birdcage® Submersible Pump Lift Station Sludge Level Transmitter

FEATURES

- 3-inch diameter sensing diaphragm resists clogging
- Protective baffle plate reduces risk of sensor damage
- Corrosion-resistant, all stainless steel construction
- Submersible to 1,100 feet (335 meters) WC
- Surge protection from lightning strikes and voltage spikes
- Ranges from 0 to 10 thru 0 to 1,100 feet WC (0 to 3 thru 0 to 335 meters WC)

APPLICATIONS

- Submersible pump lift station level monitoring
- Wet wells
- Process sumps
- Water tanks and reservoirs
- Process sludge (including heavy sludge)
- Water and wastewater level monitoring

FIELD OPTIONS

- Optional FM/CSA hazardous approvals
- External lightning / surge protection package optional
- 4-20 mA or 0 to 5 Vdc output
- Optional temperature output



MODEL 1103

Low-Cost Submersible Level Transmitter

FEATURES

- Low-cost, high-reliability
- Submersible to 700 feet WC (213.4 meters WC)
- 1" (2.5 cm) diameter
- Up to $\pm 0.2\%$ FSO accuracy
- All 316L stainless steel construction (optional titanium)

APPLICATIONS

- Wet wells, ponds, rivers and tank level measurements
- Water and wastewater treatment
- Ground water monitoring
- Irrigation

FIELD OPTIONS

- Lightning and surge protection
- Optional sludge screen for viscous media or wastewater
- Cable lengths to more than 3,000 ft with optional Tefzel® jacketed cable
- Optional Titanium construction

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MODEL BR340-IM Flush Mount Pressure Transmitter

FEATURES

- Flush faced sensor minimizes media plugging and damage
- Compact 1" diameter
- Rugged, all-welded stainless steel design
- No zero offset from installation
- 5X proof pressure

APPLICATIONS

- Wastewater treatment
- Onboard vehicles
- Skidded systems
- Sludge and slurries
- Adhesives and paints
- Pump suction and discharge lines of blender trucks
- Corrosive and higher viscosity media

FIELD OPTIONS

- Direct NPT or flanged process mounting
- Select electrical connectors
- 4-20 mA or 0-5Vdc output

AVAILABLE APPROVALS

- ATEX & IEC Hazardous approvals
- FM & CSA Pending

FEATURES

- Available ranges from 0-30" WC thru 0-5K PSI (75 to 1,034 BAR)
- Choice of mV/V, VDC, & 4-20 mA output
- Rugged, welded, stainless steel construction
- High proof pressure
- Economically priced

APPLICATIONS

- Hydraulic & pneumatic controls
- Die casting
- Rolling & steel mills
- Compression skids
- Irrigation pumps pressure
- Oilfield truck pressures
- Skidded process systems



MODEL 311 Industrial Grade Pressure Transducer

FIELD OPTIONS

- Zero & Span adjustments
- 80% and 100% shunt calibration
- Alternate connectors & pressure ports
- For Intrinsically Safe and Explosion Proof approvals, see our designated datasheet for Model BR111/BR211/311 hazardous location



MODEL BD306 Pump Controller



The Model BD306 Dual Input Pump Controller from Blue Ribbon Corporation offers high-reliability monitoring and control when used with the Birdcage® submersible level transmitter. Unit features dual input process control with Math Functions, Programmable Display & Function Keys, RS-242, RS-485 and Modbus® RTU Serial Communication Protocol, making it suitable for use in a variety of industrial applications.

FEATURES

- Dual Input Process Controller with Math Functions
- 0-20 mA, 4-20 mA, 0-5 V, 1-5 V, and $\pm 10V$ Inputs
- Large Dual-Line 6-Digit Display, 0.60" & 0.46"
- NEMA 4X, IP65 Front
- Universal 85-265 VAC, or 12/24 VDC Input Power
- Programmable Display & Function Keys
- 32-Point, Square Root, or Exponential Linearization
- Multi-Pump Alternation Control
- USB, RS-232, RS-485 and Modbus® RTU Serial Communication Protocol
- Free BULLDOG Pro Software for Operation, Monitoring, and Programming
- Standard 1/8 DIN (45mm x 92mm)



MODEL BR411D
w/Diaphragm Seal



MODEL BCH 2000
Cable Hanger

Shown in Application
with the
Model BC001 Birdcage®

FEATURES

- Lifetime warranty against lightning and voltage surges for BC001 Birdcage®
- 17mm DIN rail mount chassis (BCP3006)
- Replaceable surge module (BCP3005)
- On-board failure lights go from green to red
- For 4-20mA or 0-5Vdc systems
- High current gas discharge tubes (GDT)
- Fast response Surge-Arresting Diodes (SAD)



MODEL BCP3000
Birdcage® Series Surge Protector



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