

# Bladder Pump Controller

## Geotech BP Controller 300/500 PSI

The Bladder Pump (BP) Controller (300 or 500 PSI) utilizes advanced electronic logic to control gentle, low-flow sampling. Simple to use, accurate microprocessor controlled FILL/DISCHARGE timers are utilized to recreate expert techniques for low-flow sampling. The BP Controllers are equipped with high-pressure valves and fine resolution regulators that can deliver in remote and deep sampling applications.

BP Controllers connect to any bladder pump system with the use of simple quick-connect adapters.

### FEATURES

- Designed for durable, trouble-free operation
- High pressure operation for greater depths
- Multiple power input options
- Microprocessor controlled timers for accuracy
- Internal over-pressure protection
- Battery over-draw protection
- Water Level Meter compatibility for well draw-down
- Intuitive user controls and status indicator
- Accessories cavity for easy portability
- Included: Air-In and Air-Out Hoses, AC Power Supply, DC Power Cord and Clip Adapter, Geotech Drawstring Bag



### SPECIFICATIONS

#### Performance

	300 PSI	500 PSI
Operating Depth	0-690 feet (210 m)	0 -1000 feet (0-305 m)
Input Air Pressure	Up to 300 psi (20.5 bar)	Up to 500 psi (34 bar)
FILL Timer Range	5 - 120 seconds	5 - 180 seconds
DISCHARGE Timer Range	5 - 120 seconds	5 - 180 seconds
Timer Resolution	2 seconds	2 seconds
Timer Accuracy	±2 seconds	±3 seconds
12V 8Ah Battery Life	1,300 cycles @ 30 sec. timers	50,000 cycles
Internal Battery/Life	External only	(2x) 9V/30,000 cycles

#### Environmental

Operating Temperature	32°-158°F (0°-70°C)	32°-158°F (0°-70°C)
Storage Temperature	-40°-185°F (-20°-85°C)	-40°-185°F (-20°-85°C)

#### Physical

Enclosure	7" x 16" x 12" (18 x 41 x 30.5 cm)	7" x 19" x 14" (18 x 48 x 35 cm)
Weight	15 lbs. (6.8 kg)	25 lbs. (11.4 kg)
Enclosure Material	Structural resin	Structural resin

#### Input Power

External Battery	10.5-13.8V DC	10.5-26V DC
AC	90-240V AC*	90-240V AC*
Line Frequency	45-65 Hz	45-65 Hz
Maximum Power	15 Watts	15 Watts pulse for 50mS

\*International AC Power Plug Adapters available (UK, AUS, EURO)



Geotech BP Controller 500 PSI



Geotech BP Controller 300 PSI

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