

## ***Bottom Profiling Arrays and Tow Vehicles***

**Single- or Two-Channel Pipeliner Side-Mount Arrays**

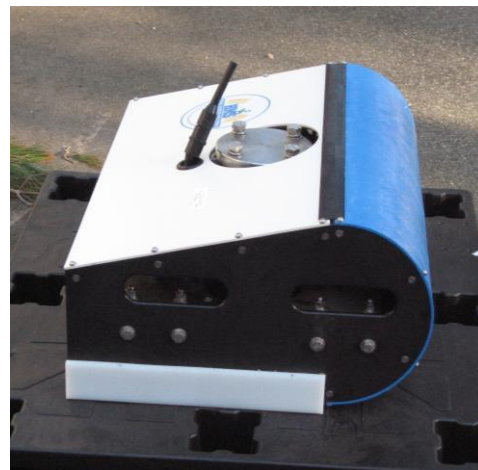
**Compatible with Chirp II and Chirp III Systems**

**LF array, HF array, Hydrophone, Mounting Bracket**

The BPA-62X Side-Mount Arrays and Tow Vehicles are specifically designed for detecting and tracking buried pipe.

The **BPA-622 Dual Array** is configured with two transducer arrays (low and high frequencies) and an integrated hydrophone array. The *combined* transmit and receive beam pattern of the BPA-622 is 80 in the forward and aft direction and 32 athwart for the low frequency array, and 120 beam in the forward and aft directions and a narrow, 9 beam athwart for the high frequency array.

The **BPA-621HF Array** is configured with a high frequency transducer array with an option for a separate hydrophone array. The transmit and receive beam pattern for the high frequency array is 120 beam in the forward and aft directions and a narrow, 9 beam athwart.



**BPA-622  
Dual Frequency Array**



**BPA-621HF  
High Frequency Array**

### **FEATURES/BENEFITS**

Standard portable over the side mounting configuration for accurate positioning of buried pipe location

Excellent performance in a variety of sediment types

Can be operated with receive hydrophone for shallow water, or in T/R mode for deeper water

Can be configured with optional tow package for use with armored tow cables

Corrosion resistant construction

Compatible with industry standard sub-bottom profiling systems

# SPECIFICATIONS

## BPA-62X System Specifications

### Physical Characteristics

BPA-622 Construction: Stainless Steel frame with a Polycarbonate shell  
Dimensions: 61 cm (24.0 in.) long by 77 cm (30.5 in.) wide (Approximate)  
Weight in air: 74.8 kg (165 lb)  
Weight in water: 45.4 kg (100 lb)  
Operating depth: 2000 meters

BPA-621 Construction: Aluminum frame  
Dimensions: TBD  
Weight in air: 30 kg (65 lb)  
Weight in water: TBD  
Operating depth: 1000 meters

Operational speed: 1 to 8 knots operational

### Low Frequency Array

Transmitter Array: ATTR-4.5K-45-90  
Power: 2kW, 15% duty cycle at 3.5 kHz for 206 dB re 1 Pa @ 1 m nominal,  
4 kW maximum at reduced duty cycle  
Frequency range: 2 kHz to 7 kHz band  
Transducer radiation: 80 fwd/aft, 32 athwart

### High Frequency Array

Transmitter Array: ATTR-15K-9-120  
Power: 800 watts, 15% duty cycle at 17 kHz for 212 dB re 1 Pa @ 1 m, nominal,  
4 kW maximum at reduced duty cycle  
Frequency range: 8 kHz to 23 kHz band  
Transducer radiation: 120 fwd/aft, 9 athwart

### Sonar Receiver

Receiver hydrophone: ATHYD – 37K – 5 – 55  
Frequency band: 1.5 kHz to 40 kHz

Note: Other products and company names mentioned may be trademarks and/or registered trademarks.

*Specifications Subject to Change without Notice*  
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