BPA-62X

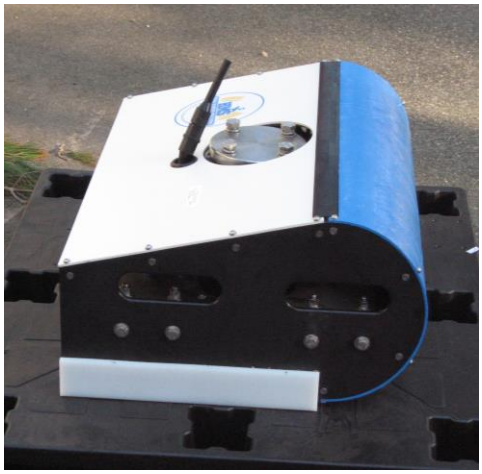
Bottom Profiling Arrays and Tow Vehicles

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.



BPA-622
Dual Frequency Array

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.

BPA-621HF
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.

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 (165 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 μPa @ 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 μPa @ 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**

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