

# Instruction Sheet

## Hydrophone (Part No. 720A5001)

### Introduction

The InstanTel Hydrophone (Part No. 720A5001) may be connected to any **InstanTel® Series IV Minimate Pro4** or **Minimate Pro6** monitor. The Hydrophone senses pressure changes to 47 psi (324 kPa) down to water depths of 150 feet (46 meters).

**WARNING:** Do not use the Hydrophone for monitoring nearfield applications. Exceeding the minimum distance from the charge versus the Hydrophone may cause permanent damage to the sensor.

### Package Contents

This kit contains one InstanTel Hydrophone (Part No. 720A5001) and this instruction sheet.

### Tools and Materials Required

- **InstanTel® Minimate Pro4** or **Minimate Pro6** monitor
- InstanTel Hydrophone (recommended sample rate of 65,536 KHz)
- Splitters or Extension Cables as required
- **InstanTel® Blastware® Advanced Module Software**

### Monitor Setup

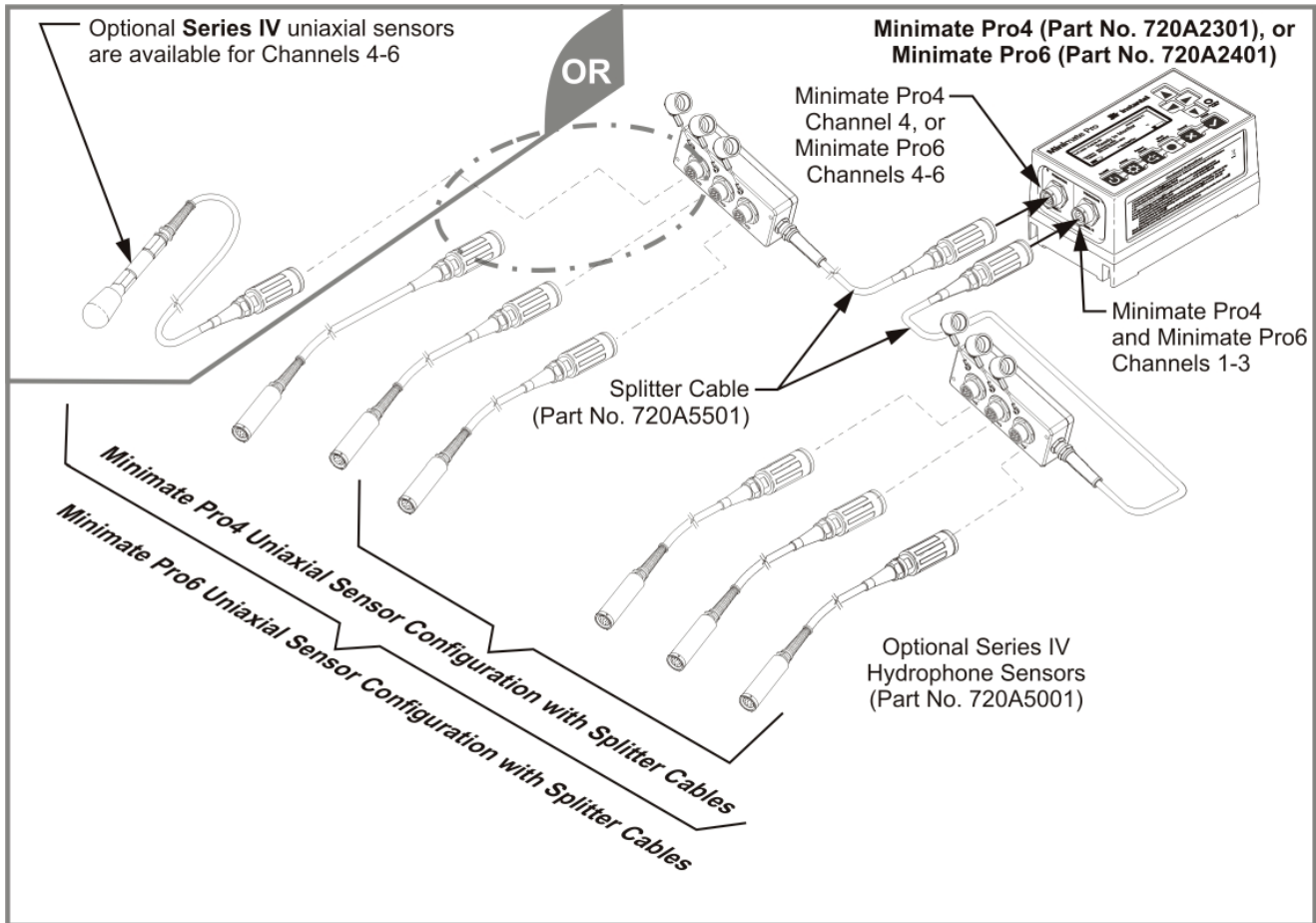
Before using the InstanTel Hydrophone, you must use the **Blastware Advanced Module** software to transfer the Hydrophone settings to the monitor. Start the **Blastware** software. Select the *Advanced Setup* icon from the main tool bar. Enter the Hydrophone sensitivity and trigger level for each channel to be used with a Hydrophone. See the specifications section below for the sensitivity value. Turn off all other Channels and set the *Record Mode*. Ensure that you change the sampling rate to the recommended 65,536 samples per second. Sensor check does not apply when using the Hydrophone sensor.

### Specifications

Amplitude Range	47 psi (324 kPa)
Frequency Range	8 Hz to 500 Hz
Sensitivity	0.068566 V/psi (0.0099463 V/kPa)
Resolution	0.00146 psi (0.0101 kPa)
Trigger Level	0.0234 psi (0.162 kPa) psi to 47 psi (324 kPa)
Recommended Sample Rate	65 kHz
Natural Frequency	8 Hz
Maximum Operating Depth	150 ft. (46 m)
Cable Length	200 ft. (60 m) (Extension cables available by special order.)



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## Warranty

All InstanTEL®, a division of Xmark, products come with a one-year warranty. Series III monitors (Blastmate III™, Minimate Blaster™, and Minimate Plus™), Series IV monitors (Minimate Pro4™ and Minimate Pro6™) and sensors will have the warranty extended for a second year if they are returned to the InstanTEL factory for service and calibration within 30 days of the 'Next Calibration' date printed on the calibration label located on the product.

If within a period of one year from the date of shipment to a customer the instrument fails to perform in accordance with InstanTEL's published specifications and the operator's manual, due to a defect in materials or workmanship, it will be repaired or replaced at InstanTEL's option, free of charge. This warranty is void if the equipment has been dismantled, altered or abused in any way. This warranty is nontransferable.

The above warranty does not include any implied warranty of functionality for a particular purpose. InstanTEL assumes no responsibility for damages of any description resulting from the operation or use of its products. Since it is impossible to anticipate all of the conditions under which its products will be used either by themselves or in conjunction with other products, InstanTEL cannot accept responsibility for the results unless it has entered into a contract for services which clearly define such an extension of responsibility and liability. Any shipments returned directly to InstanTEL must have our prior approval and all packages must display the Return of Material Authorization (RMA) Number issued by InstanTEL. Shipping charges to InstanTEL's plant will be paid by the customer and those for return to the customer will be paid by InstanTEL.

To protect your warranty, you must complete and return a Warranty Registration Certificate, or complete the online Warranty Registration Form, within ten days of purchase. Units will be assumed out of warranty if there is no warranty card on file at InstanTEL. Retain this portion and the proof of purchase for your records.

## EC Warning

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

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