

Instruction Sheet

High Pressure Microphone (Part No. 720A4801)

Introduction

The InstanTEL High Pressure Microphone measures air pressure up to 10 p.s.i. (69 kPa).

Package Contents

This kit contains one InstanTEL High Pressure Microphone (Part No. 720A4801) and this instruction sheet.

Tools and Materials Required

- InstanTEL® Series IV, Minimate Pro4 or Minimate Pro6 monitor
- InstanTEL High Pressure Microphone (Part No. 720A4801)
- Adapters, Splitters, or Extension Cables as required
- InstanTEL® Blastware® Advanced Module Software

Physical Installation

Locate the InstanTEL High Pressure Microphone in the desired location and point it in the direction of the pressure source. Connect the Microphone cable to the monitor. The event will appear on channel 1 or 4 depending on which connector you use. For additional setup options, refer to the figure on the following page. If you require monitoring results to appear on a specific channel use a Splitter Cable (Part No. 720A5501). If using multiple sensors, connect the Splitter Cable to the monitor then attach combinations of High Pressure Microphones and other Series IV uniaxial sensors, as required.

NOTE: The sensor check function does not check the High Pressure Microphone.

Monitor Setup

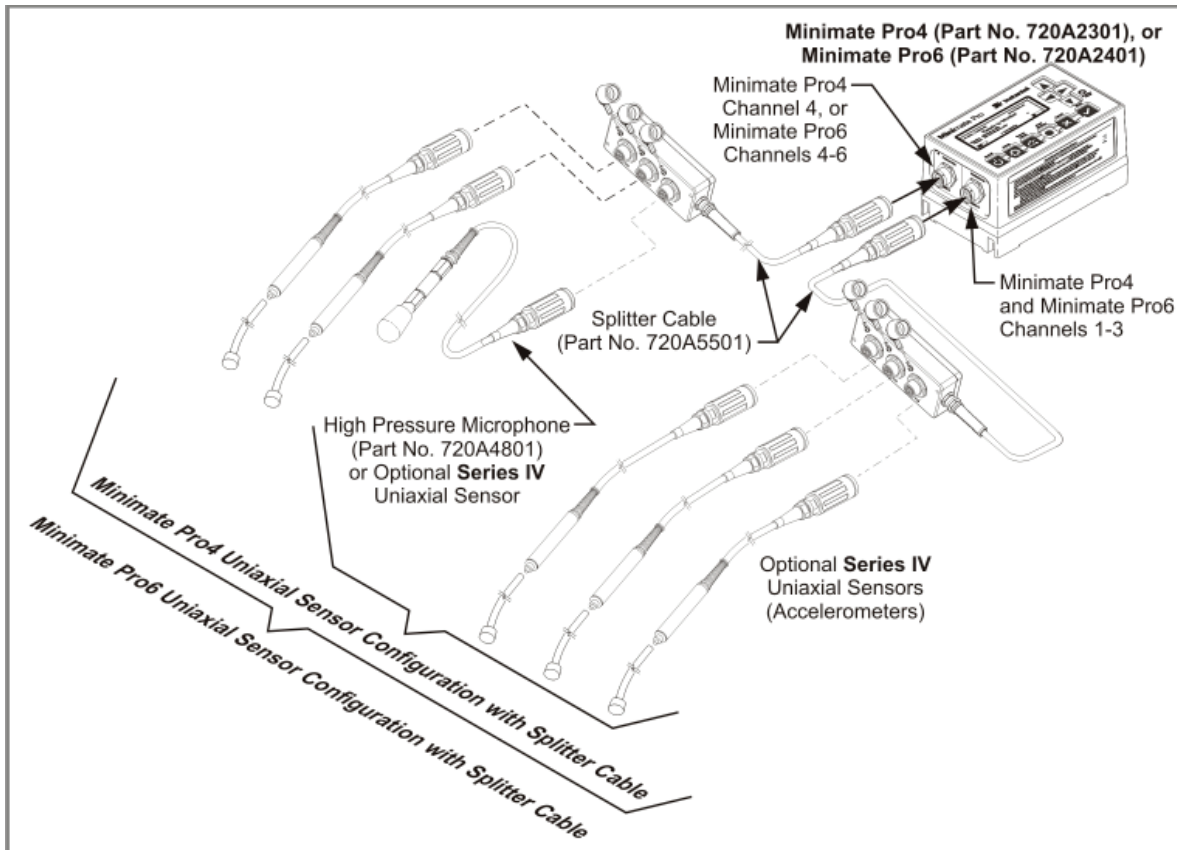
Start the **Blastware Advanced Module Software**. Select the *Unit Menu, Setup*, and then the *Advanced Setup* option, or select the *Advanced Setup* icon from the toolbar. Enter the High Pressure Microphone's *Sensitivity* in the channel connected to the microphone. See the specifications section below for the sensitivity value. When complete, transfer the advanced settings to the monitor by selecting the *Send to Unit* button at the bottom of the dialog window.

Specifications

Amplitude Range	69 kPa psi
Frequency Range	5 Hz to 1 kHz
Sensitivity	0.3222605 V/psi (0.0467044 V/kPa) (Nominal; refer to the Sensor Calibration Certificate)
Resolution	0.00031 psi (0.00214 kPa)
Trigger Levels	0.005 psi (0.03425 kPa) to 10 psi (69 kPa)
Recommended Sample Rate	4096 sps
Cable Length	6 ft. (2 m)
Maximum Pressure	250 psi (1724 kPa)



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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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980-720002-000 Rev 02 - Product Specifications are Subject to Change

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