

Instruction Sheet

Micromate Protective Boot and Cover

The Micromate Protective Boot and Cover (Part No. 721A0301) are designed to protect the Micromate unit and provide flexibility when mounting the unit. The rugged, protective boot includes a removable clear, protective cover that offers easy installation for any project.

This blue boot is made of a durable silicon-based compound that can handle temperature extremes from -50 °C up to 100 °C (-58° F to 212 °F) without losing its flexibility. The boot offers various mounting configurations for field mounting flexibility (see mounting options below). The boot and cover provide protection from water, from dust and impact from foreign objects and accidental drops.

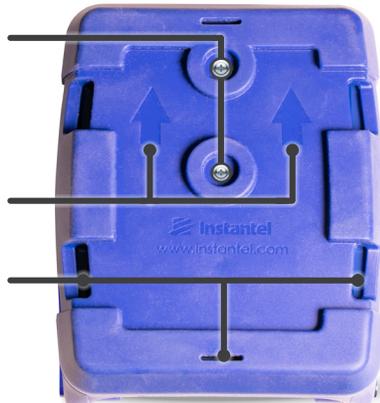
To protect the connectors from water drainage, the wrap-around, clear protective cover was designed with a curved lip on each side. For easy access to the unit, the cover can hinge in both directions, which provides flexibility for handheld operations or when units are wall-mounted in remote station installations.



Mounting holes with hardware

Molded arrows indicate top of protective boot

Straps and drainage slots



Durable silicon boot back view

Curved surfaces prevents drainage



Durable silicon boot side view

Inserting a Micromate into the Protective Boot

The boot is designed to securely fit around a Micromate unit. To help ensure the Micromate remains in the boot it can be secured to the back of the boot with two screws. This provides additional protection when units are not assigned to specific individuals or if the units are part of a rental fleet.

Installation Steps:

- 1) Insert the Micromate unit into the boot with the top of the unit in the direction of the arrows as marked on the boot.
- 2) Turn the unit over to access the back of the boot.
- 3) Locate the two mounting holes.
- 4) Using two 6-32 UNC x 1/2" pan head screws (M3.5 x 0.6), #6 x .38 OD lock washers and #6 x .38 OD flat washers (9.6 mm), loosely fasten the boot to the Micromate.
- 5) Tighten, but do not over-tighten the screws.

Wall mounted cover opens down



Hand-held cover opens up

Installing the Micromate Protective Boot in a Remote Station

The Micromate Protective Boot can also be used to simplify remote station installations. Simply secure the boot to the back plate of the remote station before inserting the Micromate unit into the boot. This can speed up installations and reduce time for routine tasks like annual calibrations where the Micromate can be removed and returned very quickly.

The photos below show an example of a remote station installation. Note: Many other options are possible.



Installation Steps:

- 1) Arrange all of the parts, including cables, to be installed in the enclosure to achieve the best fit possible.
- 2) Mark and drill the required holes in the mount surface.
- 3) Secure the individual parts, the Modem and Micromate protective boot in this example, to the mounting surface.
- 4) Install the Micromate into the protective boot.
- 5) Install the mounting panel in the enclosure.
- 6) Pass the geophone and microphone cables through the access hole in the enclosure.
- 7) Connect the geophone and microphone to the Micromate.
- 8) Connect the RS-232 to USB cable from the modem to the Micromate.
- 9) Pass the antenna cable through the access hole of the enclosure and connect it to the modem.
- 10) Connect the power adaptors to both the modem and the Micromate.
- 11) Configure the Micromate for remote access.

Refer to the Micromate Operator Manual, section 11.4.4 Auto Call Home for additional information.

Installing a Micromate Protective Boot on a Round or Irregular Surface

When it is not possible or convenient to use screws to secure the Micromate in place, the protective boot can be held in place with large plastic tie wraps or metal straps. The slots in the bottom of the boot provide space for these straps while not interfering with the installation of the unit.



Micromate Protective Boot attached with tie wraps



Micromate Protective Boot attached with metal straps



Accessing the installed Micromate

Warranty

InstanTel products come with a one-year warranty. Monitoring units 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.

This 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 Inc. 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. Products 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.