

Instruction Sheet

Protective Boot and Cover for the Micromate® Monitoring Unit

The Protective Boot and Cover (Part No. 721A0301) is 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, dust, impact from foreign objects, and accidental drops.

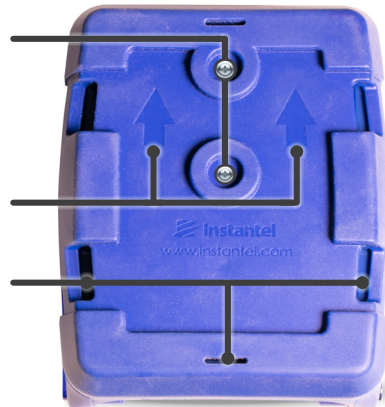
To protect the connectors from water drainage, the wrap-around, clear protective cover was designed with a curved lip on each side. For easy access to the unit, the cover can hinge in both directions, which provides flexibility for handheld operations or when units are wall-mounted in remote station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

The boot is designed to securely fit around a Micromate unit. To help ensure the Micromate unit 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 ½" pan head screws, #6 x .38 OD lock washers and #6 x .38 OD flat washers (9.6 mm), loosely fasten the boot to the Micromate unit.
- 5) Tighten, but do not over-tighten the screws.

Wall mounted cover opens down

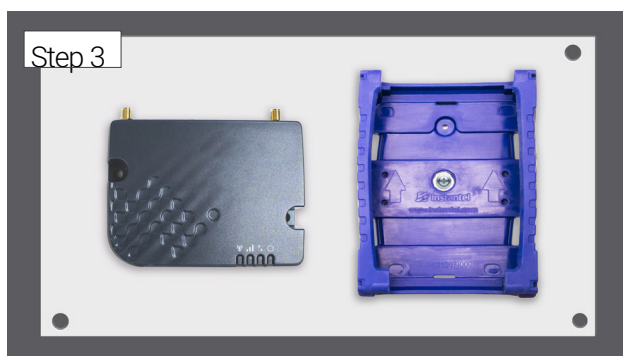


Hand-held cover opens up

Installing the Protective Boot in a Remote Station

The 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 monitoring unit 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 protective boot in this example, to the mounting surface.
- 4) Install the Micromate unit 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 unit.
- 8) Connect the RS-232 to USB cable from the modem to the Micromate unit.
- 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 unit.
- 11) Configure the Micromate unit for remote access.

Refer to the Micromate Monitoring Unit Operator Manual for additional information.

Installing a Protective Boot on a Round or Irregular Surface

When it is not possible or convenient to use screws to secure the Micromate unit 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.



Protective Boot attached with tie wraps



Protective Boot attached with metal straps



Accessing the installed Micromate Unit

Warranty Period

One-year limited warranty against defects in materials or workmanship. The warranty begins on the date of shipment from the InstanTel factory to the customer and is subject to certain exclusions and conditions as stated in the product warranty policy found on our website at: <https://www.instanTel.com/service-and-support/warranty-form>.