

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.

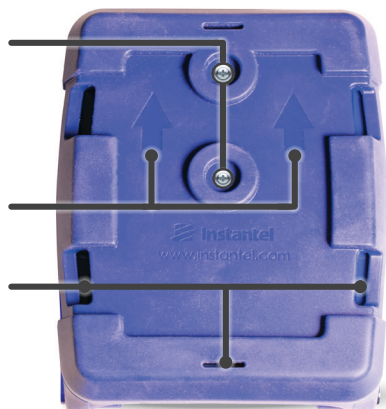
To protect the connectors from water drainage, the wrap-around, clear protective cover was designed with a curved lip on each side. For easy access to the unit, the cover can hinge in both directions, which provides flexibility for handheld operations or when units are wall-mounted in remote station 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 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 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, section 11.4.4 Auto Call Home 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

Instantel products come with a limited one-year warranty against defects in materials or workmanship unless otherwise stated. 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 below. 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 under normal use and operating conditions, it will be repaired or replaced at the sole discretion of Instantel free of charge. Components subject to fair wear and tear in regular use, as solely determined by Instantel, are excluded from this coverage. This warranty will not apply if the damage or malfunction occurs due to (i) adjustments, additions, alternations, abuse, misuse or tampering of the instrument; (ii) instrument operation or use contrary to the operating instructions; (iii) power fluctuations; or (iv) any other cause not within the cause or control of Instantel. If inspection by Instantel fails to disclose any defect covered by this limited equipment warranty, the instrument will be repaired or replaced at customer's expense and Instantel's regular service charges will apply. This warranty is non-transferable.

Any shipments returned directly to Instantel must have prior approval, and all packages must display the Return of Material Authorization (RMA) number issued by Instantel. Shipping charges to Instantel's factory will be paid by the customer and return shipment 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 no warranty card is on file at Instantel. Retain this warranty statement and the proof of purchase for your records.

Except for the foregoing limited equipment warranty, Instantel makes no other warranties and hereby disclaims and excludes all other warranties, whether statutory, express or implied, whether arising under law or equity or custom or usage, including any implied warranty of merchantability, fitness for a particular purpose, non-infringement, satisfactory quality, or quiet enjoyment, and any warranty that the product supplied may not be compromised, or that the product will in all cases provide the function for which it is intended.