This guide will help you quickly install the Netronix™ Thiamis™ 1000 GSM/GPS Communication Modem in the Environmental Enclosure Model 8537.

Unpacking Netronix Thiamis GSM/GPS Communication Modem (801900)

1. Unpack Netronix Thiamis GSM/GPS Communication Modem (801900) and verify that all items listed in the following table are present

2. Contact TSI immediately if items are missing or broken.

Qty.	Item Description	Reference Picture
1	Netronix Thiamis 1000 GSM/GPS Communication Modem	
1	GSM-GPS Antenna	
1	RS-232 to USB Converter Cable	

Qty.	Item Description	Reference Picture
1	Adapter Plate	
1	Power Cable	
1	Spare Fuse	
2	6-32 x 3/8" LG Flat Head Screws	
2	10-32 x ½" LG Flat Head Screws	
1	Netronix Environet Guide	
1	Environet Account Creation Form	

Tools Needed for Installation

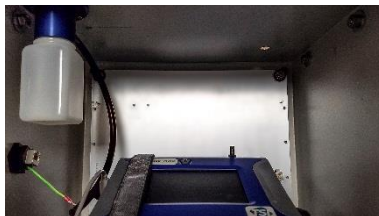| Qty.	Item Description	Reference Picture
1	Phillips Screw Driver	

NOTE

It is assumed that the instrument, 12V DC external power supply, water trap bottle, omni-directional inlet, DC power cable, right angle USB cable and inlet tubing have already been installed into the Environmental Enclosure. In this guide, a DustTrak™ DRX 8533EP has been used. The water trap bottle, omni-directional inlet, DC power cable, right angle USB cable, 12V DC power supply and tubing are all included with Environmental Enclosure. See Environmental Enclosure 8537 Operation Manual for further details.

CAUTION

12V DC Power supply should not be connected to power until instructed to do so.

Installing Netronix Thiamis 1000 GSM/GPS Communication Modem

1. Fasten the adapter plate to the back panel using the 10-32 x 1/2" flat head screws (qty. 2).

   For clarity, the black rubber inlet tubing has been disconnected from the instrument inlet.

2. Remove the mounting plate from the back of the modem. To separate the two pieces, push the button on the top of the modem, rotate the plate slightly away and slide the mounting plate downwards.

   Be careful not to rotate the plate too far or the tabs on the bottom may break

3. Fasten the mounting plate to the adapter plate using the 6-32 x 3/16" pan head screws (qty. 2).

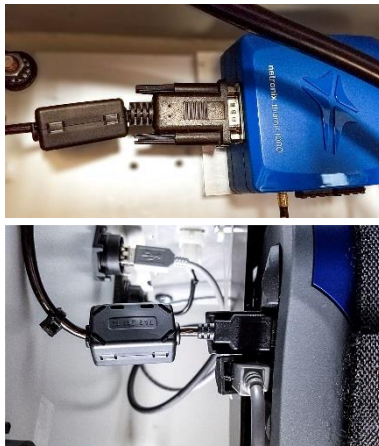4. Snap the modem into the mounting plate as shown.
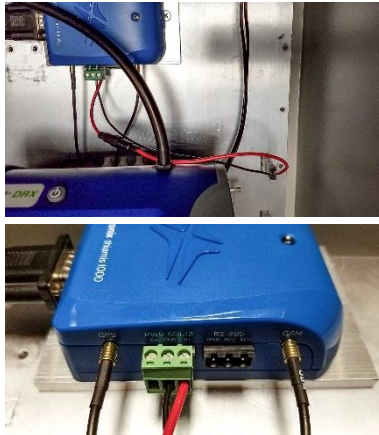
5. Attach the GSM/GPS antenna to the enclosure

6.	Connect the GSM and GSP cables to the modem.	

7.	Using the RS-232 to USB cable, make a connection between the DustTrak monitor and the modem. The USB end should connect to the DustTrak monitor. The RS-232 end should connect to the modem.	

8.	Finally, install the power cable as shown.	

9.	Plug the AC/DC power supply into an AC power source. Instrument and modem should power on.	

10.	LED on the modem will blink while the modem searches for a network. If the LED stops blinking and is solid blue, a network has been found and proper communication with Environet should be possible. If the LED changes to solid yellow, the modem has not found a network. A power cycle may resolve the issue.	

11. To utilize the telemetry functionality of Thiamis 1000, please refer to the Netronix Environet Quick Start guide, which is included in the 801900 kit.

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