This guide will help you quickly attach the 10 m connection cable included with the Lufft WS300 (TSI P/N 854050) / Lufft WS500 (TSI P/N 854051) to the DustTrak™ Environmental Monitor.

**Caution**
Refer to the Manufacturer’s Manual and follow all instructions regarding; setup, installation, proper use, maintenance, safety, and troubleshooting.

### Unpacking the (854050/854051) Metrology Station

1. Unpack and verify that all the items listed in the following table are present.
2. Contact TSI immediately if items are missing or broken.

<table>
<thead>
<tr>
<th>Qty.</th>
<th>Item Description</th>
<th>Reference Picture</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Lufft WS300/WS500 Metrology Station</td>
<td><img src="image" alt="Lufft WS300/WS500" /></td>
</tr>
<tr>
<td>1</td>
<td>Lufft Cable</td>
<td><img src="image" alt="Lufft Cable" /></td>
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<tr>
<td>1</td>
<td>Cable Gland</td>
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<tr>
<td>1</td>
<td>Jam Nut</td>
<td><img src="image" alt="Jam Nut" /></td>
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<tr>
<td>1</td>
<td>Communication Connector (3-pin)</td>
<td><img src="image" alt="Communication Connector" /></td>
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<tr>
<td>1</td>
<td>DIN Rail Power Connector</td>
<td><img src="image" alt="DIN Rail Power Connector" /></td>
</tr>
</tbody>
</table>

#### Tools Needed for Installation
- Small Flat Blade Screw Driver *(not included)*
- 14-mm Wrench
Installation

NOTE

Disconnect power from the instrument. The instrument SHOULD NOT have power during this installation procedure.

1. Remove the hole plug in the enclosure and install the cable gland and jam nut.

2. One end of the 10 m connection cable for the metrology station has been stripped back and ends added for connections inside the enclosure.

3. Insert the wire end of the cable through the gland. Tighten (hand tight) the gland around the cable to prevent leakage.

4. Insert the red and black wires into the connector as shown.

5. Attach RS-485/SDI-12 Communication Wires to green connector as shown. A small flat blade screw driver can be used to tighten the connector to the wires.

6. Insert the green connector into the Thamis 1000 Node RS-485 socket.

7. Install the connector as shown to the DIN rail inside the enclosure.
8. Attach the other end of the cable to weather station. Tighten (hand tight) with a 14-mm open ended wrench (see figure to right).

9. See the weather station manual for mounting instructions and specifications.

10. Reapply power to the instrument.

11. Environet can be used to pair the weather station to the Thiamis 1000.
   a. Click Add Sensor in the device configuration.
   b. Select Lufft from the pull-down menu and click Save.