

Scope

This service bulletin provides information on replacing the IMT Back of Module temperature sensor adhesive tape should failure occur and is applicable to all IMT Back of Module temperature sensors except for the Tmodul Pt100 sensor.

Background

In rare cases IMT Back of Module temperature sensors may experience failure of the adhesive tape used to attach the sensor. This can be caused by improper surface preparation or inadequate cable support. Should failure occur, clients can request an IMT back of module temperature sensor element adhesive repair kit free of charge from IMT Solar. The repair kit contains new adhesive tape (3M VHB F9473PC tape, 12mm wide), alcohol wipes and complete instructions, which are outlined below.

Removing Old Tape

1. Remove the old adhesive tape from the sensor with a scraper or other suitable tool. Avoid pulling the sensor cable during cleaning, otherwise damage to the contacts inside the sensor element can occur.
2. Remove any remaining tape residue with the provided isopropyl alcohol pads. Do not touch the cleaned mounting surface of the sensor prior to installation of the new tape.
Note: Do not use glass cleaner to clean mounting surfaces, as it may contain additives that can prevent proper adhesion.

Installing New Tape

1. Remove the white backing from the new adhesive tape and apply the tape to the cleaned surface of the sensor, ensuring there are no gaps or air pockets. Do not touch the adhesive surface of the tape.
2. Using a dry cloth, firmly press the adhesive tape onto the sensor.
3. Cut off any excess tape.

Reinstalling the Sensor

1. Clean the surface where the sensor will be applied with the provided isopropyl alcohol pads. If any old tape or residue remains from the old sensor, simply place the sensor in a slightly different position.
2. Once the mounting location is clean, remove the brown backing from the adhesive tape and mount the sensor, pressing it firmly into place.
3. To further secure & optimize the sensor, you can use Sikaflex or silicone to cover the outside of the sensor after it has been installed.



Support

For additional information please contact IMT Solar at (716) 276-8466, info@imtsolar.com, or visit us at www.imtsolar.com.