

Connection Method

Inspection Before Use

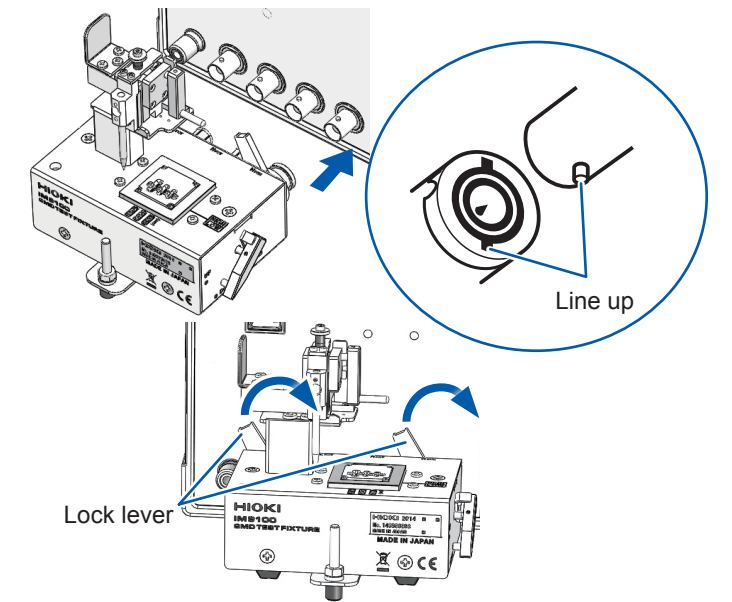
Before using the device, verify that it operates normally to ensure that no damage occurred during storage or shipping. If you find any damage, contact your authorized Hioki distributor or reseller.

CAUTION

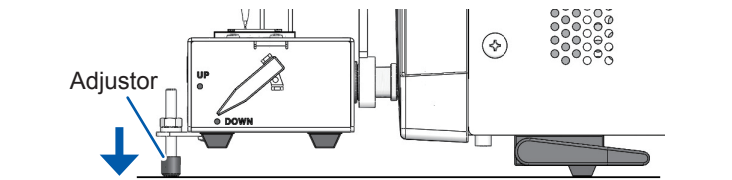
- When disconnecting the BNC connector, be sure to release the lock before pulling off the connector.
- Forcibly pulling the connector without releasing the lock, can damage the BNC connector.

You will need: Phillips-head screwdriver

- Align the device's BNC connectors with the instrument's BNC connectors, insert them, and lock the device in place with the lock lever.

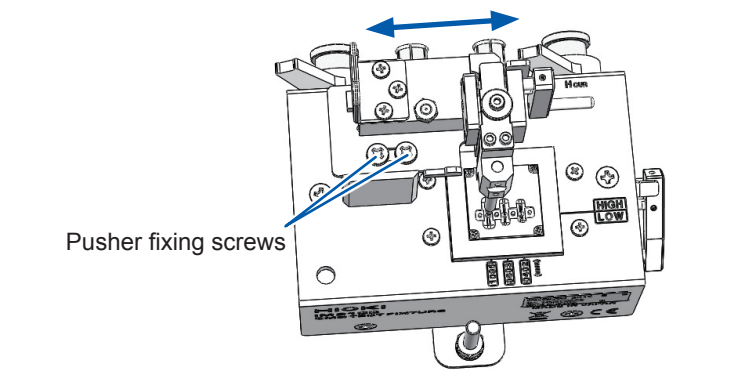


- Adjust the adjuster so that the connector is not subject to excessive force.

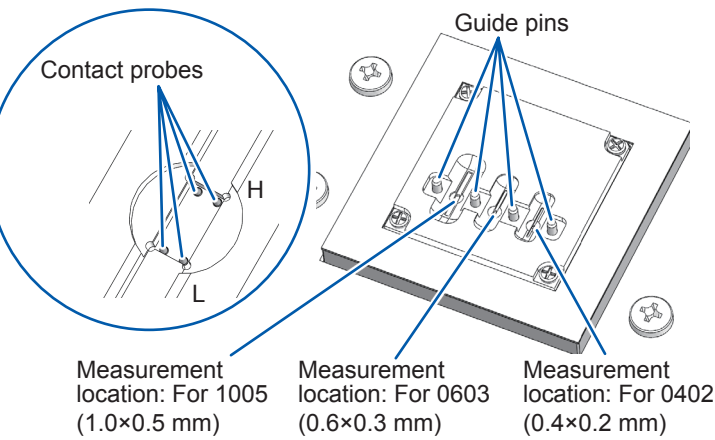
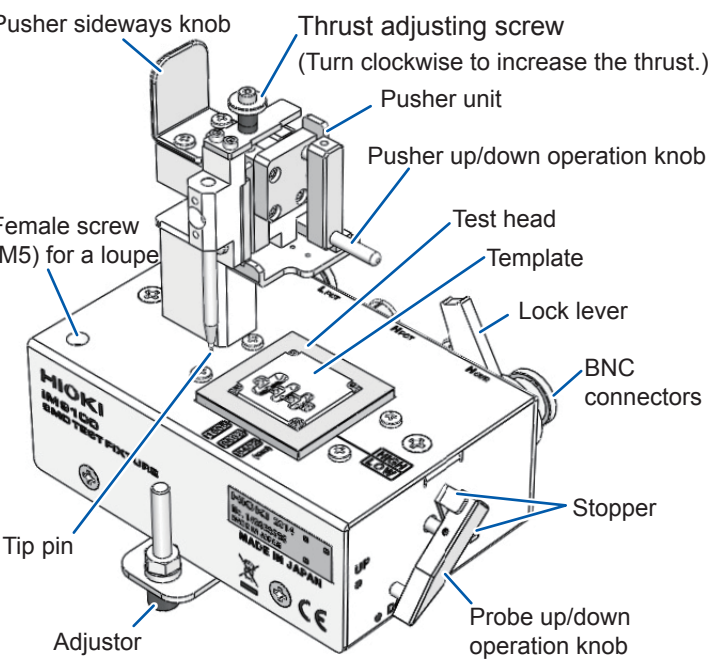


- If you need to fine-tune the sample and pusher tip position, loosen the pusher fixing screws and adjust as necessary.

Retighten the fixing screws after adjustment.



Parts Names

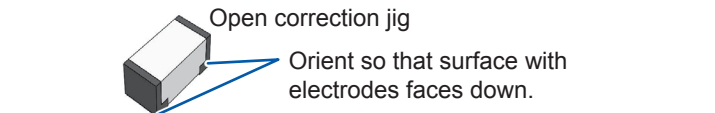


Open Correction

To reduce measurement error, open correction is performed. The correction method varies with the instrument to which the device is to be connected. See the user manual that came with the instrument.

You will need: Open correction jig, tweezers

- Using the pair of tweezers, attach the open correction jig to the 1005 measurement position on the test head.



- Gradually apply the tip pin to the open correction jig.
- Perform correction with the instrument. For more information, see "Measurement Method" in the user manual.

IMPORTANT Even if you will be measuring 0402- and 0603-size samples, perform open correction using the 1005 measurement position.

Short Correction

To reduce measurement error, short correction is performed. The correction method varies with the instrument to which the device is to be connected. See the user manual that came with the instrument.

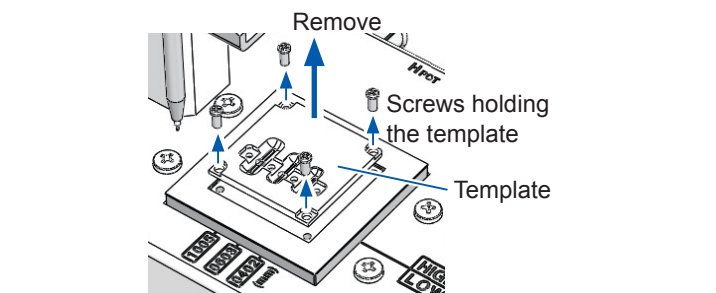
CAUTION

- To prevent damage to contact probes, lower the contact probe with the probe up/down operation knob when attaching or removing the template.
- When attaching the template, insert it so that the fixing screws pass straight through the screw holes and tighten it in place using an appropriate amount of force. Over-tightening may damage the screw holes.
- Screw tightening torque: Max. 0.015 N·m

You will need: No. 0 precision Phillips-head screwdriver, short correction jig

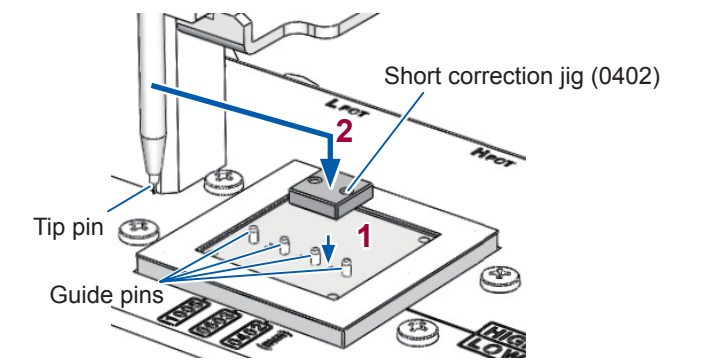
Removing the template

- Remove the screws holding the template in place.
- Lift off the template to remove it.



Attaching the short correction jig and performing correction

- Pass the guide pins through the holes in the short correction jig and attach it at the position corresponding to the size of sample to be measured.



- Move the pusher unit to the short correction jig's position.
- Turn the pusher up/down operation knob in the "down" direction to gradually lower the tip pin until it comes into contact with the short jig.
- Turn the probe up/down operation knob in the "up" direction to raise the contact probe.
- Perform correction with the instrument.

Attaching the template

After performing short correction, reattach the template as it was attached before.

Measurement Method

CAUTION

- To prevent damage to the device and samples, lower the contact probe with the probe up/down operation knob when attaching samples. Additionally, apply the tip pin to samples gradually so as not to subject them to excessive force.
- Do not apply the tip pin to the contact probe without first attaching a sample.
- To avoid damaging the tip pin, do not move the pusher unit horizontally while the pusher is in the lowered position.

You will need: Tweezers

Preparing for Measurement

- Turn the pusher up/down operation knob in the "up" direction to raise the tip pin.
- Using the pusher sideways knob, move the pusher unit in the direction of the arrow.
- Lower the probe up/down operation knob to lower the contact probe. (This step can also be performed before Step 1 above.)

Attaching the sample

- Place the sample on the template using a pair of tweezers. Align the sample's electrodes with the H and L contacts on the template and be sure that it is placed right side up, etc.
- Move the sample to the guide groove.
- Place the sample in the measurement location's square hole.

IMPORTANT To ensure accurate measurement, remove samples from other measurement locations before performing measurement.

Securing and measuring the sample

- Using the pusher sideways knob, move the pusher unit to the location of the sample.
- Turn the pusher up/down operation knob to gradually lower the tip pin until it comes into contact with the sample.
- Raise the probe up/down operation knob to raise the contact probe.
- Perform measurement with the instrument.

Completing measurement

After measurement is complete, remove the sample by reversing the steps used to secure it in place. Raise the pusher up/down operation knob until it comes into contact with the stopper before moving the pusher unit horizontally.