

Changing ParticleTrack™ G400 Interchangeable Probe Tips

This Quick Reference shows you how to quickly replace a G400 interchangeable probe tip and set the software to recognize the new tip. Note that G400 probe tips are either fixed or interchangeable. This procedure applies only to interchangeable tips.

I. Why Change Tips?

With extra tips on hand, you can:

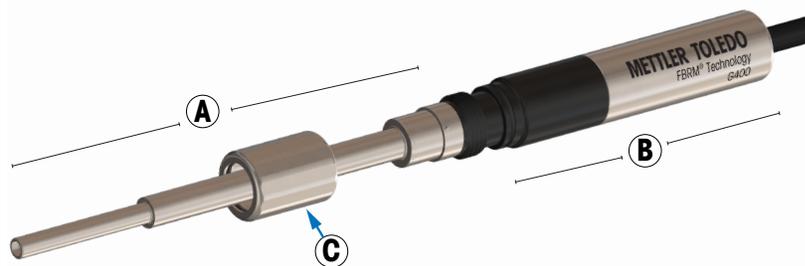
- Replace a damaged tip to continue operations with minimal interruption.
- Monitor the progression of the particulate chemistry to larger vessels.

II. Removing an Interchangeable Probe Tip

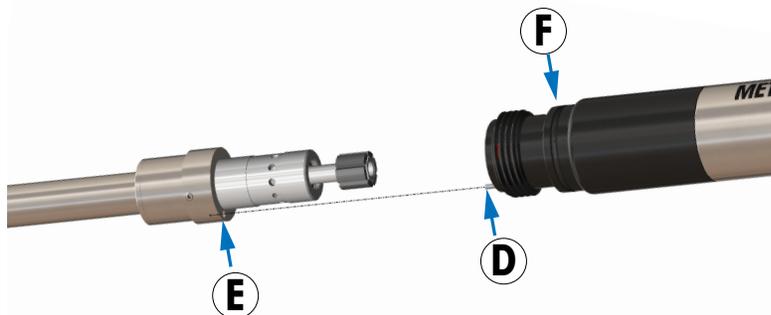
The first phase of changing probe tips is to remove the current tip.

NOTE: Before starting this procedure, stop running any experiments in iC FBRM and power OFF the base unit.

1. Begin by unscrewing the retaining nut (C) between the probe back end (B) and the probe tip (A). Then, slide the nut down to remove it.



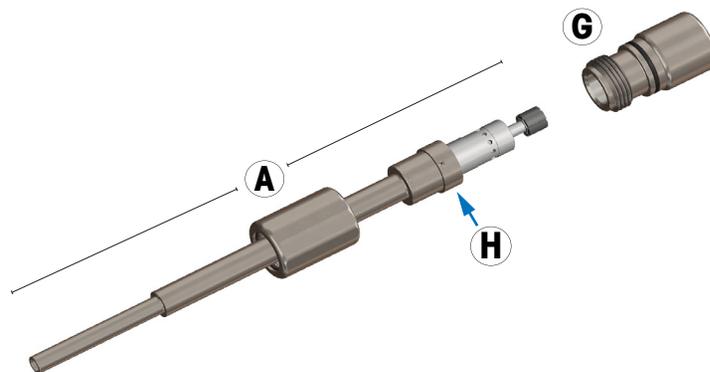
2. Gently remove the probe back end from the tip by sliding the pin (D) on the back end out from the keyhole (E) in the tip.



3. Place protective cap on the interchangeable tip and secure it with the retaining nut. Then, store the tip in its shipping case.

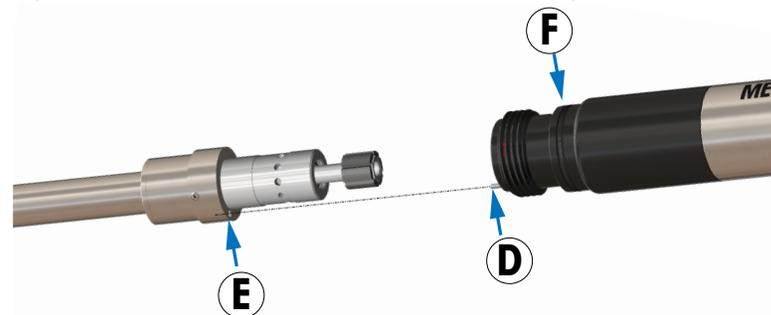
III. Attaching a New Tip

1. On the new probe tip (A), grasp the protective cap (G) and gently unscrew it.

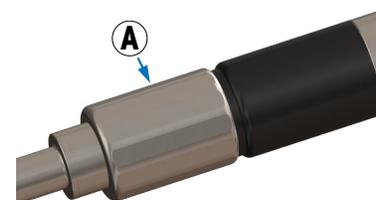


IMPORTANT: A serial number is engraved around the top section of the tip (H). If this probe tip has not been configured for a G400 back end on the iC FBRM computer, enter it in the Manage Probes dialog box shown in section IV (side two of this sheet).

2. Grasp probe back end in one hand and new tip in the other hand. Then, align the keyhole (E) on the tip with the pin (D) on the back end as you insert the probe tip.



3. Replace the retaining nut (A) and gently tighten it to secure the probe tip to the back end. Ensure the o-ring (F) is completely covered by the retaining nut.



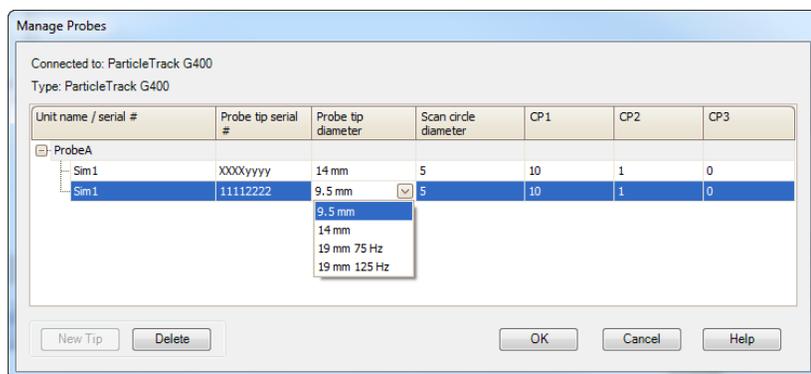
4. Power the base unit ON by pressing the Power button.

IV. Changing iC FBRM Configuration Settings

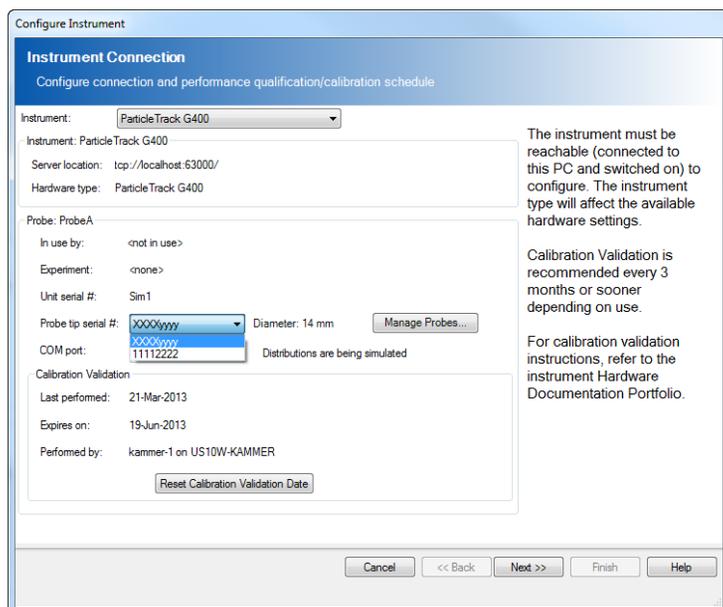
The steps below assume that the following statements are true:

- G400 base unit is already installed.
- Original interchangeable tip serial number is already logged in iC FBRM. (This is performed by a METTLER TOLEDO engineer during system installation.)
- If applicable, replacement tip serial number(s) are already associated with the G400 base unit (probe back end) in iC FBRM.

If the replacement tip has not yet been configured to work with the specific G400 base unit/back end, click **Manage Probes** from the Configure Instrument wizard and add the tip under the appropriate probe. Refer to the “iC FBRM Instrument Configuration Guide” or the ParticleTrack G400 Hardware Manual for detailed instructions.



1. Launch the iC FBRM software.
2. On the Start Page, click **Configure Instrument**.

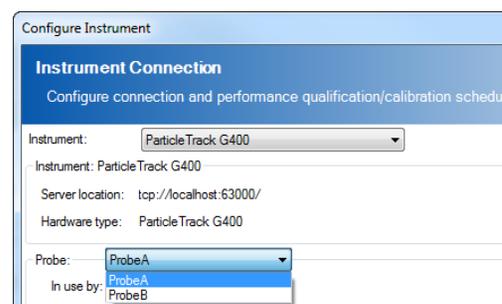


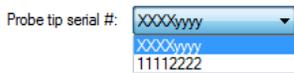
3. From the Probe serial # drop-down list, select the probe tip attached to the back.
NOTE: This step is only required after changing a probe tip.
4. Click **Next** to continue through the instrument configuration wizard windows.
Now you are ready to run an experiment.

Selecting Probe Tip for Dual-Probe G400

In a dual-probe configuration where two G400 system are connected to the same iC FBRM computer, select the probe as well as the probe tip to be used for a specific experiment.

1. Launch the iC FBRM software.
2. On the Start Page, click **New Experiment** and click **Configure Instrument** from the first wizard window.
3. Select the probe (ProbeA or ProbeB) from the Instrument Connection window:



4. If multiple replacement tips are configured, select the appropriate tip from the **Probe tip serial #** drop-down list.

5. Click **Next** to continue through the instrument configuration wizard windows.
Now you are ready to run an experiment.

Mettler-Toledo AutoChem, Inc.

7075 Samuel Morse Drive
Columbia, MD 21046 USA
Telephone +1 410 910 8500
Subject to technical changes
MK-PB-0080-AC Rev C DCN 2220
© 4/2013

METTLER TOLEDO

www.mt.com/FBRM