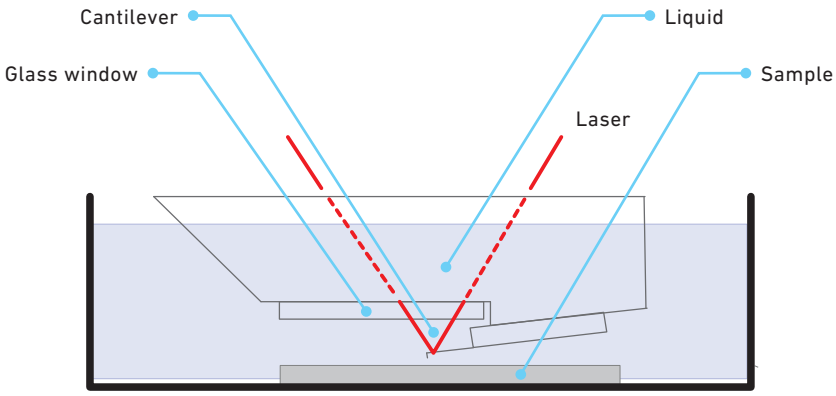
TT-AFM

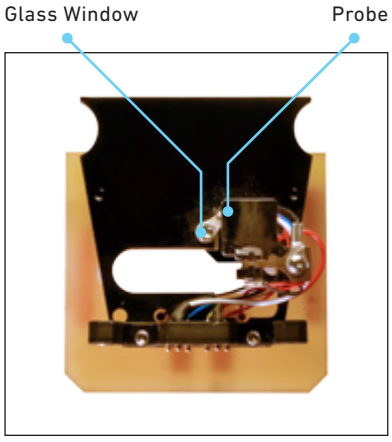
Dunk and Scan Probe Holder

Model ID: DS-TTAFM

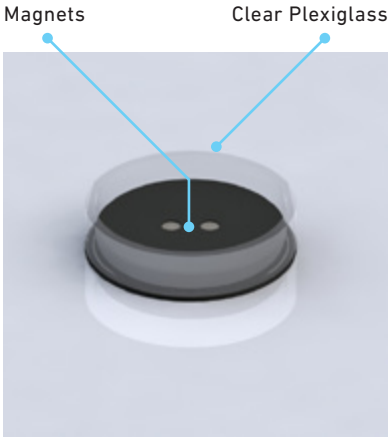
The TT-AFM **Dunk and Scan Probe Holder** is used for scanning samples submerged in a liquid. The sample holder used for this option is an open vessel.



In this design, the laser passes through a glass window and a small amount of liquid, and is then reflected off the cantilever. After reflecting off the cantilever, the light passes through the liquid and then through the glass window. For scanning in liquids, the Dunk and Scan Probe Holder is typically much simpler to use than an environmental cell.



TT-AFM Dunk and Scan Probe Holder. This picture illustrates the probe holder facing up (in use the probe holder is facing down).



Liquid holding vessel supplied with the TT-AFM Dunk and Scan option. Sample disks are held in place with two magnets.

A major advantage to this design is that air bubbles cannot easily form on the glass window's surface. Additionally, the Dunk and Scan Probe Holder is a direct replacement for the standard probe holder used in the TT-AFM.

SPECIFICATIONS

Image of an E Coli cell measured with the Dunk and Scan probe holder.

Probes

- Probe types
  Commercial probes with a standard chip dimension
- Clip
  Phosphor Bronze
- Electrical
  Connection through clip

Sample

- Thickness
  < 0.25"
- Length and Width
  0.5 x 0.5"

Vessel

- Dimensions:
- Inner Diameter
  1.25"
- Height
  0.33"
- Max water depth
  0.25
- Material
  Aluminum/Polypropylene
- Sample hold down
  Magnets

Modes

- Vibrating
- Non-Vibrating

1434 East 33rd St., Signal Hill, CA 90755 | (888) 671-5539 info@afmworkshop.com www.afmworkshop.com