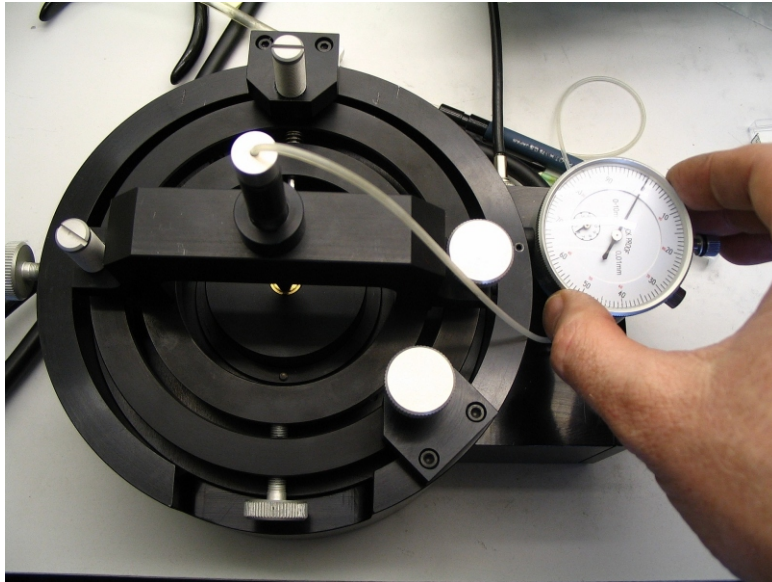


## DualScope™ Probe Assembly Kit for DS 95-Series Scanners



### Technical specifications DualScope™ Probe Assembly Kit for DS 95-Series Scanners

- Built-in laser and quadrature detector for accurate positioning
- 5 axis manual adjustment stage
- Vacuum tweezer with vacuum pump included
- Built-in CCD camera and microscope objective
- Built-in shaker piezo for in-situ testing of cantilever oscillation
- Laser position feedback via PC interface
- Angle switch for correcting the angle error of liquid-mode cantilevers

### Physical properties

Aluminium (Special Surface)  
Dimensions: 200 x 200 x 165 mm  
Weight: < 2.5 KG

### The Tool

If you expect a large consumption of SPM probes or if you wish to have the possibility of mounting your own probes, e.g. in order to use a larger variety of cantilevers from relevant suppliers, DME has developed a probe assembly tool meant for mounting of SPM probes for DS 95-50, DS 95-200, DS 95-50-E, and DS 95-200-E, i.e. all types of probes for DS 95-xxx scanners, except SNOM probes.

### DS 95 Probe Assembly Kit

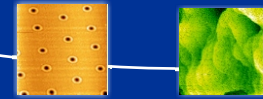
The kit is an easy to use and wizard based tool for mounting probes. Via the wizard in the DME SPM software you can make your own probes - the software tells you where to place the cantilever and when to glue - that's Plug & Play.

DS 95 Probe Assembly Kit is delivered with an instruction manual and a vacuum pump for probe (cantilever)

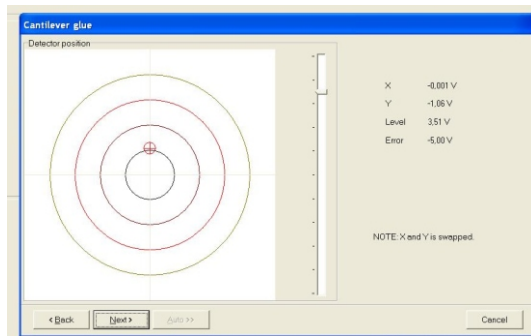
### Full Test of mounted probes

The Probe Assembly Kit includes full test facilities of the mounted probe, including test of:

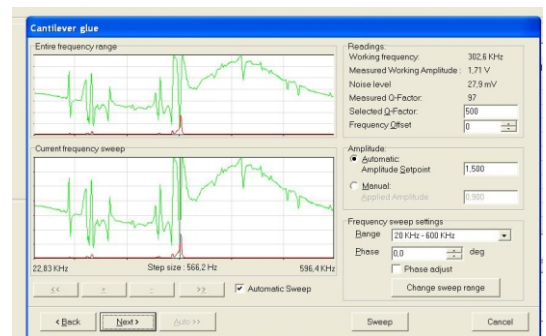
- Angle
- Frequency sweep
- Phase Behaviour



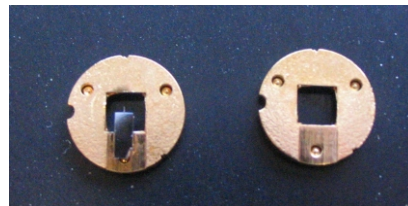
## DualScope™ Probe Assembly Kit for DS 95-Series Scanners



Cantilever Glue Wizard



Frequency Sweep



DME Probe holder with and without  
mounted cantilever

### DME 2552 DS 95 Probe Assembly Kit:

- 1 DME 2553 DS 95 probe assembly tool
- 1 DME 2531 Tweezers
- 1 DME 2532 Probe glue
- 1 DME 2559 Vacuum pump
- 1 DME 2482 DS 95 probe container

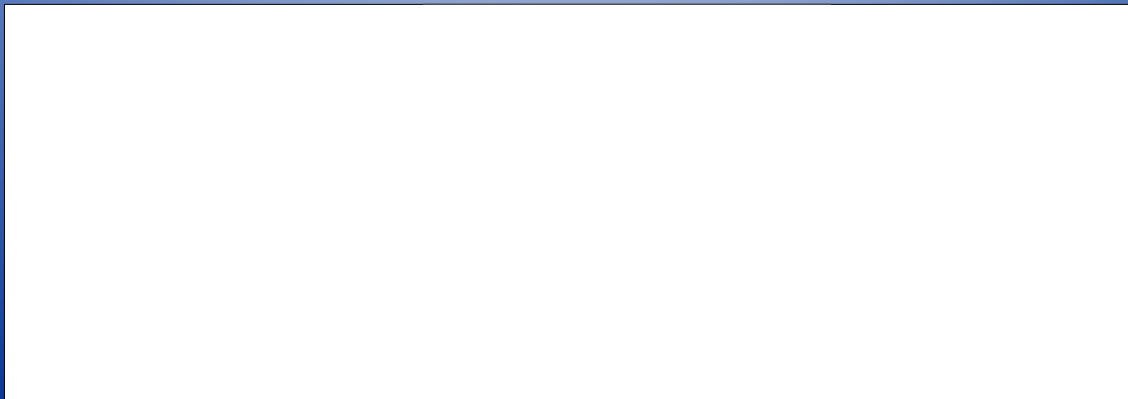
### Accessories

You can use almost any cantilevers from any supplier with this kit.

DME can supply cantilevers as used in our standard probes,  
SenseMode™ AC probes (DME 2611)  
DC probes (DME 2567)  
MFM probes (DME 2542)  
STM probes (DME 2569)  
AC (BIO) probes (DME 2492)  
Minimum quantity is 50 pcs. of a type



# DME - Danish Micro Engineering A/S



Transformervej 12 · DK-2730 Herlev · Denmark

Tel: +45 44 84 92 11 · Fax: +45 44 84 91 97 · [www.dme-spm.com](http://www.dme-spm.com) · E-mail: [dme@dme-spm.dk](mailto:dme@dme-spm.dk)

