

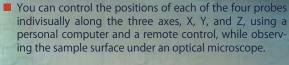
Ambient 4-Probe Surface Measurement System **UP2000-4P**

This system enables various kinds of "micron-order" to "nano-order" surface electricity measurements and manipulation in the atmosphere.

Main Applications

- Micro to nano-manipulation of samples
- Measurements of various kinds of electric properties of sample surfaces by multi-probing





- No need to make troublesome sample position adjustments. The sample stage can be moved independently in
- This system can also be used to heat samples.
- You can manipulate samples easily and intuitively while observing the surface shown on the scre personal computer.

We can also manufacture high-vacuum systems for probing and surface measurements in a vacuum. Please feel free to ask us any questions you may have.

Ambient 4-probe Surface Measurement System

UP2000-4P

Configuration

4-probe stage main body (with an optical microscope)	1
4-probe controller (with a remote control)	1
Notebook PC for control and observation (with a control program)	
Ptlr Probes	1 set



Specifications

Optical Microscope and CCD Camera

Minimum Resolution	$2\mu m \sim 13 \mu m$ (when the standard lens is used)
	Equipped with a zoom function as standard
	CCD camera 2 million pixels
	Maximum display size 1600 x 1200
	Equipped with an illumination source and
	fiber as standard
4-probe Stage	
Size	140mm x 140mm
Inner Diameter of Stage Case	(Option) 200mm dia.
Maximum Travel Distance	XY: 5mm, Z: 3mm
Fine Positioning Travel Distance	1μm
Driving Method	Pulse control and linear control modes
Sample Stage	
Maximum Travel Range	X axis: 10mm
	Y axis: 5mm
	Driving method: Pulse control
*The heating and cooling stages	are available as options.
Sample Holder	
Maximum Sample Size	10mm x 10mm
2 Contacts for Applying the Curre	ent for Heating
*5 contact terminals are available	e for users.
Probes	
Probe Tip Diameter	0.5mm to 0.3mm
*Other probes are available as op	otions.
*We offer Ptlr and tungsten prob	es.
*Each probe tip is provided as a r	measurement terminal.

Control Unit

100 to 115 VAC (50/60Hz)	
200VA (Max.)	
Dedicated control terminal	
Dedicated 4-probe terminals (4 outputs)	
LED to indicate the pulse-control movements	
in the X, Y, and Z directions	
100 to 115VAC (50/60Hz)	
100VA (Max.)	
Stage control terminal	
X and Y axes (manually switched)	
Dedicated external remote control terminal	
Equipped with a remote control as standard	
Notebook PC (compatible with Windows XF	
and Windows Vista), Pre-installed with the	
dedicated control software, Equipped with a	
dedicated remote control as standard.	

 $[\]hbox{{\tt *Electric property measurement circuits and other necessary items should be prepared by the user.}}$

 $In strumental\ components\ are\ subject\ to\ change\ without\ prior\ notice\ for\ improvement\ in\ performance.$



