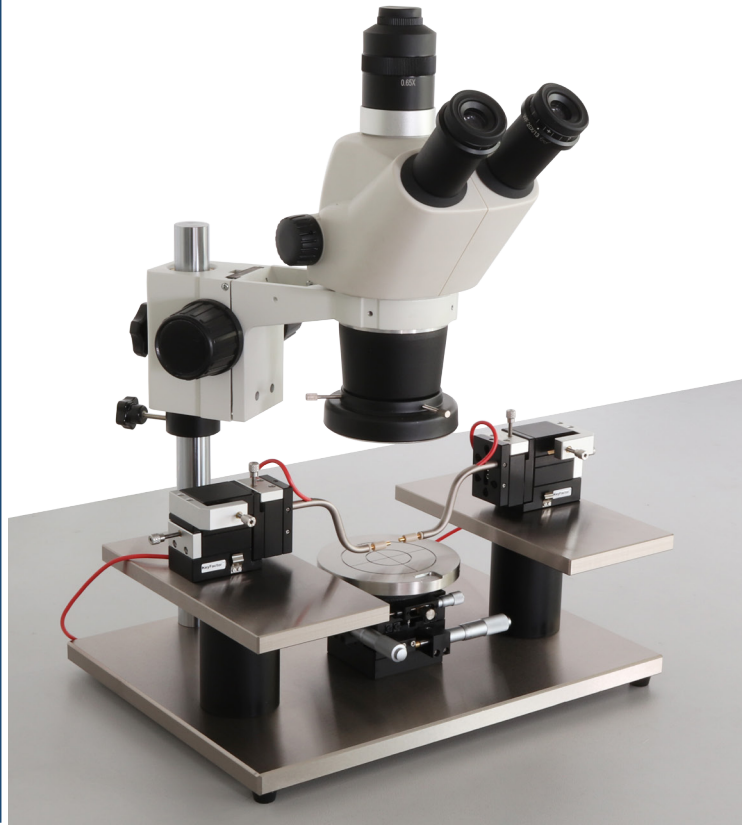


SimplePS

A 4" platform for basic I-V/
CV measurement.



Application

Basic I-V/C-V, PIV Tests;
MEMS, NEMS, Optoelectronics Tests;
,etc.

Features

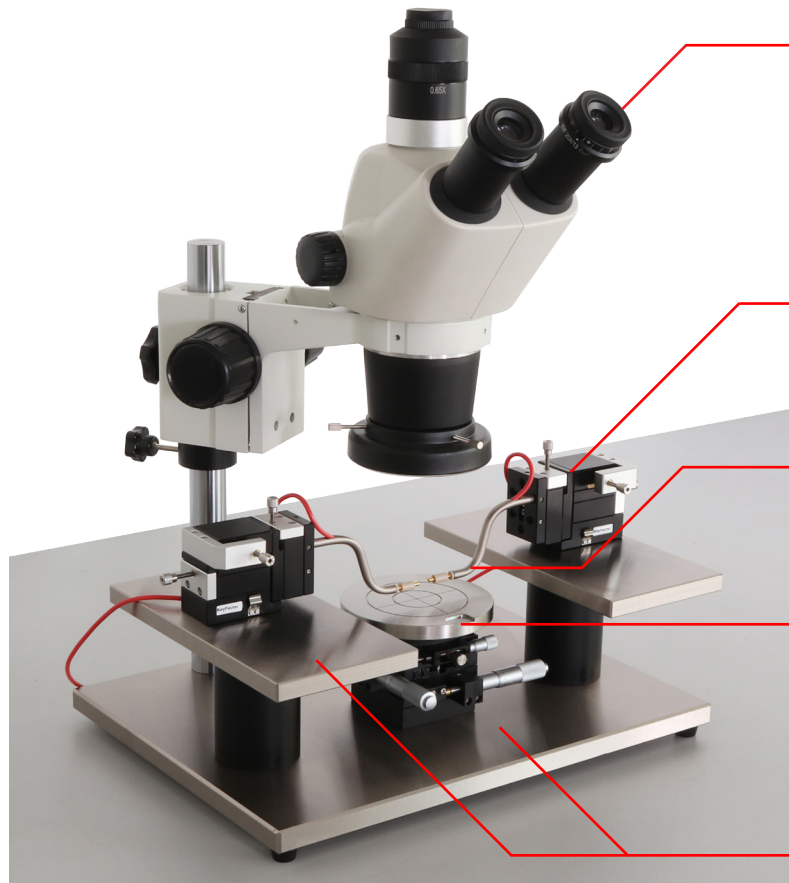
Application Oriented - KitStart package for I-V and C-V measurement.
Low Budget, high quality - Includes SimplePS, DTP100, S10 probe holders and other accessories.
Low profile, compact footprint design - Very ideal for space tight labs.

Description

SimplePS offers a very simple platform for basic I-V/C-V probing with DTP100 micropositioners. With KeyFactor's S10 series probing accessories, the system can be set up to work with multimeters, power supplies, SMUs(Source and measurement units), LCR, etc.

SimplePS Probe Station

Product Highlights



Stereo Microscope

High resolution MOTIC stereo microscope. 110mm working distance, suitable for probing. Up to 100X magnification, for probing of pads/wires down to 30 microns. Cameras available upon request.

DTP100 Micropositioner

5 micron accuracy, highly stable for probing on pads or wires down to 10 micron.

S10 Series Probe Holder

Banana plug, BNC, SMA and TRIAX cable assemblies to meet your test requirements.

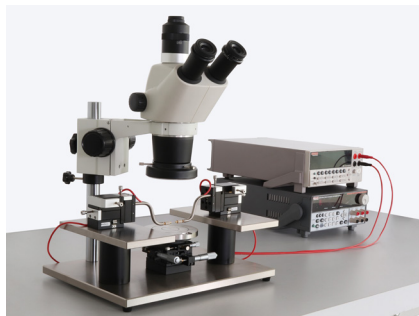
4 in. Chuck and Stage

Stainless steel sample stage. With theta rotation for probe alignment. Fine XY stage for accurate movement. Magnetic stage for coarse movement.

Platen and Base

For up to 4 DTP100 positioners. Larger space available upon request. Low profile design, steel base, rigid and stable.

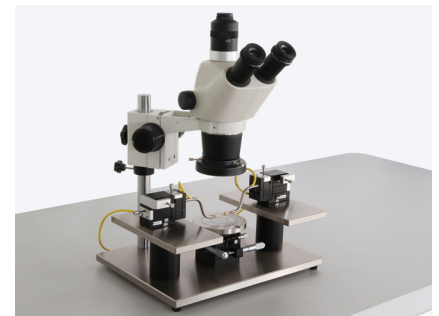
Test Set Up Examples



BIV SET UP



COAX SET UP



TRIAX SET UP

Probe station specifications on next page...

Probe Station Specifications

Chuck

Diameter	4"
Material	Stainless Steel
Plating	N.A.
Planarity	<5 μ m@Ambient Temperature

Chuck stage

X-Y travel range (Coarse)	Magnetic Stage, driven by hands.
X-Y travel range (Fine)	25mm*25mm
Resolution	1 μ m
Theta travel range (coarse)	360°
Theta travel range (fine)	\pm 9°
Theta resolution	0.0001°/deg

Platen & Base

Material	Steel, Ni-Plated.
Space	For up to 4 DTP100 positioners. Can be customized for more positioners.
Mounting Compatibility	Magnetic and vacuum mounting.
Height Adjustment	N.A.

Stereo Microscope

Magnification	15X~100X
Zoom Lens	0.75X~5X
Eyepieces	10X
Z Travel Range	50mm
Stand	Boom Stand

Electrical Measurement Accuracy (Current)

Part #	Range	Accuracy
BIV	1 μ A	rdg+10nA
COAX	1nA	rdg+10pA
TRIAx	10pA	rdg+100fA

Physical Dimensions

SimplePS only	20kg, 350*260 (W*D Footprint)
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Ordering Information

SimplePS-BIV	1 SimplePS with 2 SETs of DTP100 and S10-BA probe holder. Generally used with SMUs, power supplies and multimeters. Additional 2 SETs of DTP100 and S10-BA can be ordered for 4 wire measurement.
SimplePS-COAX	1 SimplePS with 2 SETs of DTP100 and S10-COAX-BNC probe holder. Generally used with SMUs(adapters might be needed), Oscilloscopes, LCR, etc.
SimplePS-TRIAx	1 SimplePS with 2 SETs of DTP100 and S10-COAX-TRIAx probe holder. For high resolution I-V measurement with SMUs and semiconductor characterization systems, such as Keithley 2600, 4200 and Keysight 2900, B1500., etc.

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