EPS150COAX

A dedicated 150 mm manual probing solution for DC parametric test

The EPS150COAX is a dedicated probing solution that comes with everything you need to achieve accurate measurement results in the shortest time, with maximum confidence. The system incorporates best known methods for I-V/C-V measurements.

The EPS150COAX allows you to achieve accuracy through a very stable system platform design with a vibration-isolation solution to protect contact quality over measurement time. Optimized optics and backlash-free X-Y-Z movement of industry-standard positioners enable precise probe placement. Probe arms with built-in high-quality coaxial cables optimize the signal path and allow you to test a variety of devices down to pA levels with a high degree of confidence.

An intuitive operation workflow with pull-out chuck, single-handed chuck adjustment, and a highly-planar chuck surface and movement, ensures ease of operation for both the novice and the expert user.

Designed for upgradability and extendable with multiple options, the EPS150COAX system can be easily reconfigured to meet your future project requirements.

BENEFITS

Make everyone a measurement expert
Best-known methods for DC parametric test

Ensure contact stability over time
Compact and rigid mechanical design

Test a wide variety of technologies
Optimized signal path down to pA levels

Protect your investment for the future
Re-configure and upgrade as requirements grow

Minimize training efforts
Designed for convenience and ease of use

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EPS150COAX

Modular design for upgradability
- Investment protection due to available upgrade options such as triax, thermal chucks , probe card holder, positioners and microscopes

High-quality coaxial cables
- Optimized for C-V and I-V measurements down to pA levels
- Integrated with probe arm to optimize signal path for best accuracy

Four industry-standard positioners with coaxial probe arms
- Designed for accurate and stable probe positioning
- Magnetic base for safe operation
- Ready for use with PTT probes (included)

Universal probe platen
- Rigid and stable design
- Compatible with probe card

Chuck Z movement and load stroke
- 10 mm range for precise wafer height adjustment
- Up to 3 mm chuck stroke for convenient and safe wafer loading

Chuck stage with 90 mm roll out
- Quick, risk-free and convenient wafer loading

Trinocular 6.7x stereo zoom microscope with 100x magnification
- Accurate probe placement on small pads
- C-mount included
- LED illumination for excellent image contrast and long lifetime

Coaxial chuck
- < ±3 µm planarity for consistent overtravel across the wafer
- Supports single chip and wafers
- Designed for device biasing

Chuck X/Y movement
- Precise X/Y positioning with < 5 µm resolution
- Independent axis locks for easy linear navigation

Compact base with arm rest
- Small footprint (490 mm x 490 mm)
- Convenient operation

Vibration-isolation solution
- Ensures contact and minimizes pad damage

ORDERING INFORMATION

Part Number	Description
EPS150COAX	150 mm manual probing solution* for DC parametric test
EPS-ACC-150-PCA	Probe card adapter option
EPS-ACC-150-TC	Thermal chuck option
EPS-ACC-TV	Analog TV option for EPS packages containing C-mount PAL TV camera, cables, power supply and 19" TV monitor
EPS-ACC-SE750-COAX	SE750 shield enclosure option including 5x coaxial feedthroughs
49210	VIB600 enhanced vibration-isolation platform
157-842	PCB DUT board holder
157-712	TRIAX chuck

* The EPS150COAX manual probing solution includes: MPS150 probe station with a 150 mm chuck stage, universal platen (fixed height), boom stand, camera-ready stereo zoom microscope with 15x - 100x magnification and LED illumination, vibration-isolation solution, universal chuck, 360° chuck rotation, chuck biasing cable, four DPP210-M-S positioners, four coaxial probe arms with 2 m cable, a box of 25 PTT probe tips with 7 µm tip radius, tweezers, and all tools for setup and operation.

For more information contact us at 1-800-550-3279 (1-503-601-1000) or email sales_support@cmicro.com

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