

Desktop Prober - Model S6 and S8

Introduction

Real estate in today's failure analysis labs comes only at a premium price. With the amount of equipment required to support testing processes, smaller equipment with acceptable usability is often required. The Model S8 is the ideal prober where lab space may be limited because of its compact footprint. The Model S8 is a low cost 8" (200mm) analytical test station designed for probing targets 100 microns and above. For S8 capability with a 6" (150mm) chuck, choose the Model S6.

With the "mini" Light Tight Enclosure as standard, this stainless steel prober is excellent for applications that require dark *and* electrically 'quiet' environments such as low current measurements, CV measurements and parametric testing of MOS and CCD elements. The Desktop Prober is perfect for use at the lab, office, school or training sites because it is portable, reliable and easy to use at a fraction of the cost of a traditional probe station.

This station can be configured in either a 6" or 8" (150mm or 200mm) chuck size with an *ambient* Coaxial or Triaxial chuck for general purpose probing. For probing at temperature, Micromanipulator's H-1000 thermal chuck series (Coaxial or Triaxial) is available with a temperature range from -65 deg C to +400 deg C.

All styles of magnetic based manipulators work with this station's fixed platens and either BNC or Triax 6000 style probe holders are accepted. Order an optional StereoZoom microscope with boom stand to provide the optics for this unit which is designed for probing target sizes 100 microns and above.

Features:

- "Mini" light tight enclosure.
- Stainless steel construction.
- Two fixed platens.
- Vacuum connection for chuck.

- Ten pass-through connections for BNC or Triax probe types.
- Uses optional StereoZoom microscope with boom stand which is external to enclosure.
- One pass-through connection for the chuck.
- Includes integral incandescent lamp.
- Accepts any Micromanipulator 6" or 8" (150mm or 200mm) style chuck (coaxial or triaxial with ambient or thermal characteristics).
- All versions with H-1000 ambient to 400 degree thermal chucks include ambient cooling option with heat exchanger.
- Can be configured with 0 degree C chiller option or with -65 degree C chiller option for H1000 thermal chuck configurations.

Specifications

Chuck Size

- 6 = 150mm or 6 inches
- 8 = 200mm or 8 inches

Chuck Type

- LN = Low noise triaxial ambient chuck
- EVS = Stainless steel coaxial ambient chuck
- EVG = Gold plated coaxial ambient chuck
- C = Coaxial thermal chuck
- XC = Advanced coaxial thermal chuck
- T = Triaxial thermal chuck

Chiller Options

- 0 = 0 degree chiller
 - HC = -65 degree chiller
- Note:* all HC systems require 230VAC, (208v minimum, 230v maximum) single phase, 30 amp power supply and HT-70-15 low temperature fluid 1.5 gal (5.5 L)

Power Type

(Thermal Chucks Only)

AC1 = AC controller, power to chuck

DC1 = DC controller, power to chuck

Line Voltage

- V1 = 110 VAC
- V2 = 230 VAC

CE Certification

- CE certification for -65 degree chiller option

Optional Microscope with Stand and E-arm

GZ7-STAND-V1 (V2)

Note: Part number includes StereoZoom microscope, mounting arm and microscope stand with base.

Footprint

21" x 14" x 10" (53cm x 36cm x 25cm) wide x deep x high



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Specifications subject to change without notice.