



DS 130

SCANNING ELECTRON MICROSCOPE

Effective: 1st October 1981

<u>Model No.</u>	<u>Description</u>	<u>Price</u>
DS 130	<p>ISI DS 130 scanning electron microscope with 30Å guaranteed resolution with high resolution top stage and/or 60Å guaranteed resolution with large specimen bottom stage.</p> <p>1-40kV in 1kV steps fully compensated with LED readout. Five lens electron optical system with high resolution. Low spherical aberration lens for top stage. Micro-computer controlled electronics. 10x to 300,000x magnification with pneumatic air suspension.</p> <p>Automatic vacuum system with gun, column and specimen airlocks.</p> <p>High resolution 30Å top stage: Specimen size - 8mm dia x 5mm high X-Y travel - + 3mm Tilt control -5° to +80°</p> <p>Large specimen bottom stage: 4" dia x 3" thick sample size with full specimen coverage from edge to edge X-Y motions +28mm, rotation 360° Tilt -10° to +80°, Z axis 8mm to 53mm 25 pin electrical feed-through and BNC connector 5 unused ports for special applications</p> <p>High resolution channelling patterns from a 3 micron spot Two 12" viewing CRT's Dual magnification display with movable view finder on separate CRT's or split screen dual signal imaging Ultra-high resolution recording CRT Automatic contrast and brightness control Automatic data entry on micrographs Variable scan speeds in visual and photo modes. Dynamic focusing, Gamma control, wave form display 360° scan rotation, derivative processing, signal inversion. Y-Modulation, tilt correction.</p>	
DS 130/1	Bottom Stage only	£43,995
DS 130/2	Top Stage only	£49,245
DS 130/3	Complete Top and Bottom Stage System	£51,975

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ACCESSORY LIST

<u>Accessory No.</u>	<u>Description</u>	<u>Price</u>
AND-130	Micrograph Identification System Up to 16 lines of 32 characters each	£1,995
**AMS-130	Accessory Mode Select Unit (Must be ordered when any of the following accessories are purchased: SC-2-130*, EBIC-2*, SSBSE-130/1*, CL-2-130*, RBSE-PS130*, SAECP-130/2* SAECP-130/1*, RBSE-130/1*).	£520
AB-130	Accessory Box (Must be ordered when AMS-130**and/or STEM-130/1** are purchased).	£545
*STEM-130/2	STEM Detection System (top stage)	£1,563
**STEM-130/1	STEM Detection System (bottom stage)	£1,690
*SC-2-130	Specimen Current Amplifier (Bottom stage only)	£567
*EBIC-2	Induced Current Amplifier (Bottom stage only)	£540
*SSBSE-130/1	Solid State BSE Detector (Bottom stage)	£714
*CL-2-130	Cathodoluminescence Detector (Bottom stage only)	£1,207
*RBSE-PS130	ISI Robinson Detector Power supply	£825
RBSE-KE	Switching Unit for RBSE	£175
*SAECP-130/2	Selected Area Channelling Pattern System (Top Stage)	£880
*SAECP-130/1	Selected Area Channelling Pattern System (Bottom Stage)	£1,963
*RBSE-130/1	ISI Robinson BSE Detector (Bottom Stage)	£2,635
IPS	Ion Pump System (including 60 l/s Ion Pump, Power Supply and mounting hardware)	£4,725
SPK-130	Spare Parts Kit	£640
CFA	Charge free anti-contamination system (requires a rotary pump)	£829

*Includes
Detector and
aperture*

* P.S. We would supply for £1250 including
Installation due to our error in communications
T. Dettrich

ACCESSORY LIST

<u>Accessory No.</u>	<u>Description</u>	<u>Price</u>
PC-45	Polaroid Camera with 545 back	£514
35-C	Akashi-Pentax 35mm Camera	£562
SF-C	Mamiya Camera body with lens, capable of accepting 6 x 6 roll film back or Polaroid pack film back	Price on application
SF-RF	6 x 6 Roll film back for Mamiya	Price on application
SF-CPPB	Polaroid pack film back for Mamiya	Price on application
CP	Various options of critical point drying apparatus are available	£650 to £950
SPE	Various options of sample preparation equipment are available (e.g. sputter coater, manual automatic Peltier cooled Ion sputtering etc.)	£1,200 to £1,800
SM-WR-3	Water recirculator	£1,220
SRM	X-Ray microradiography attachment (bottom stage)	£1,550
EDS	Energy Dispersive x-ray spectrometer system	Price on application
WDX-130	Wavelength x-ray spectrometer (bottom stage)	£16,695
CFA-RP	Rotary pump for CTA or sputter coater	£455