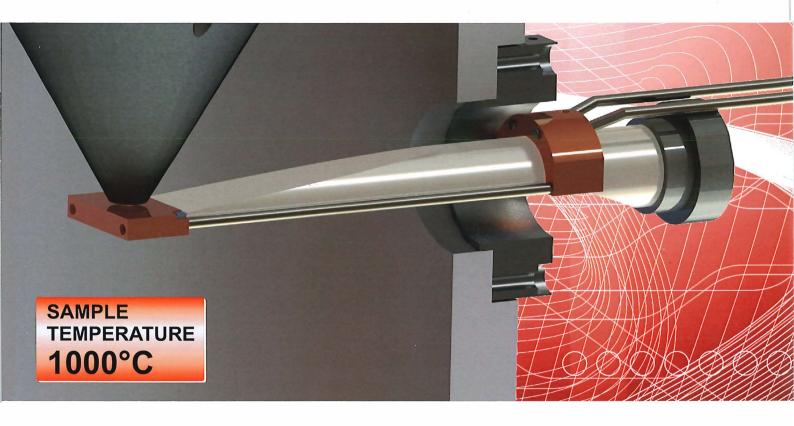


KARMEN

Retractable BSE detector for SEM for hot stage sample



RELIABLE SENSOR & PRECISE MECHANICS

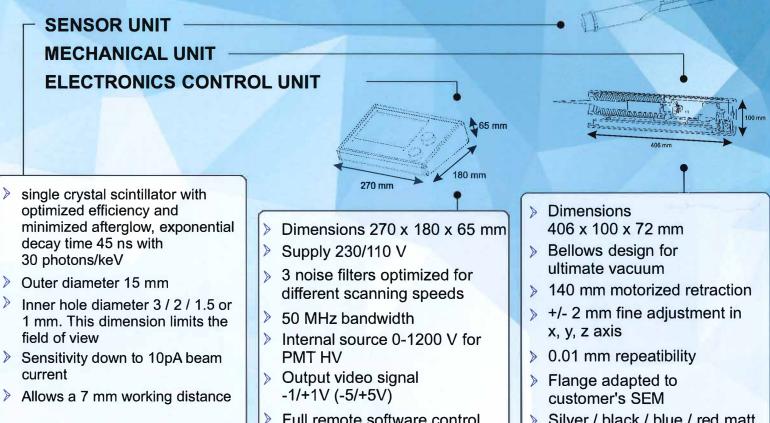
\checkmark	Single	crystal	sensor
--------------	--------	---------	--------

- Scintillator/PMT principle for ultimate image quality
- V Excellent S/N ratio
- Unlimited sensor lifetime
- W HV + LV + ESEM operation
- ✓ Sample temperature over 1000°C

1	
\checkmark	Motorized retraction mechanism
\checkmark	Bellows-sealed system
\checkmark	Retraction 140 mm
\checkmark	Compact design
\checkmark	Precise alignment
\checkmark	Customized connection to SEM

TECHNICAL PARAMETERS

KARMEN combines state-of-the-art sensorics, mechanics and electronics for BSE detetection in SEM environment.



- Silver / black / blue / red matt surface finish available
- > Full remote software control
- > DC offset up to -20V

SENSOR HEAT MANAGEMENT

✓ Sample temperature 1000°C ✓ Passive cooling by heat-pipe technology ✓ Temperature monitoring of the sensor

0 0 0 0

SENSOR SHIELDING

Sensor and lightguide cooled and shielded against infrared and visible light emited by the heated sample

> Distributor: SPI Supplies Division of STRUCTURE PROBE, Inc. P.O. Box 656 West Chester, PA 19381-0656 USA Phone: 1-610-436-5400 1-800-2424-SPI (USA and Canada) Fax: 1-610-436-5755 2spi.com E-mail: sales@2spi.com



0

0 0