

SURFACE PHOTOVOLTAGE MODULES

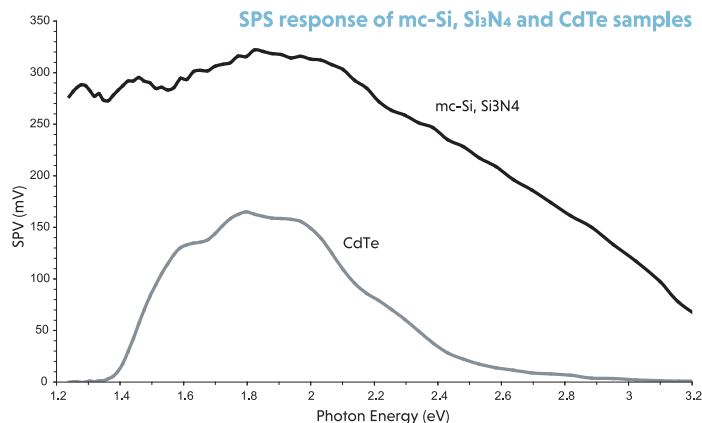
SPV020 • SPS030 • SPS040

MODULE DESCRIPTION

The surface photovoltage spectroscopy modules are the perfect all-in-one solution for in-depth studies of light sensitive materials such as organic semiconductors, solar cells or light sensitive dyes.

The modules offer a comprehensive range of measurement modes including DC and AC surface photovoltage studies utilising the built-in optical chopper.

Total digital control of all parameters including light intensity and wavelength (400-700nm or 400-1000nm) gives the opportunity to investigate and characterise the surface photovoltage and surface photovoltage spectroscopy properties of samples.

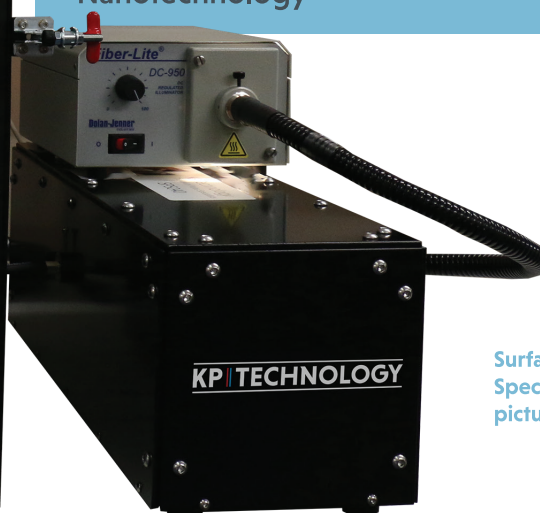


FEATURES

- SPS030 - 400 to 700nm range
- SPS040 - 400 to 1000nm range
- Intense white light Quartz Tungsten Halogen (QTH) source
- DC and AC measurement modes
- Compatible with all Kelvin Probe systems
- 30 - 70nm FWHM

APPLICATIONS

- Organic and non-organic semiconductors
- Metal alloys and metal oxides
- Thin films and surface oxides
- Solar cells and organic photovoltaics
- Nanotechnology



Surface Photovoltage Spectroscopy SPS040 pictured with SKP5050

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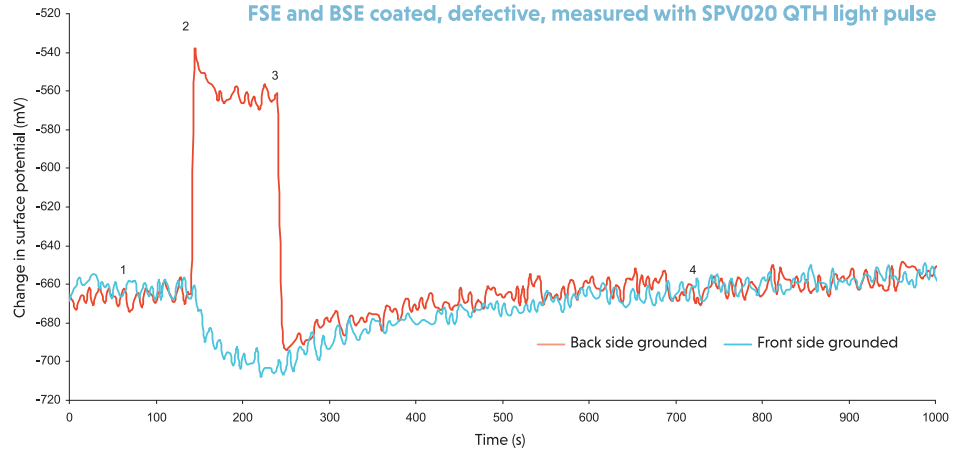
SPV020 • SPS030 • SPS040

MODULE DESCRIPTION

The SPV020 module is the ideal upgrade to any of our Kelvin probe systems, for investigating light sensitive materials such as solar cells, light sensitive dyes and semiconductors.

Vary the light intensity of the 150 W DC regulated Quartz Tungsten Halogen (QTH) bulb to achieve open circuit potential or investigate the quality of your latest roll-to-roll silicon solar cells.

SPV020 is an extremely intense Quartz Tungsten Halogen light source that has a variable light intensity from software control.

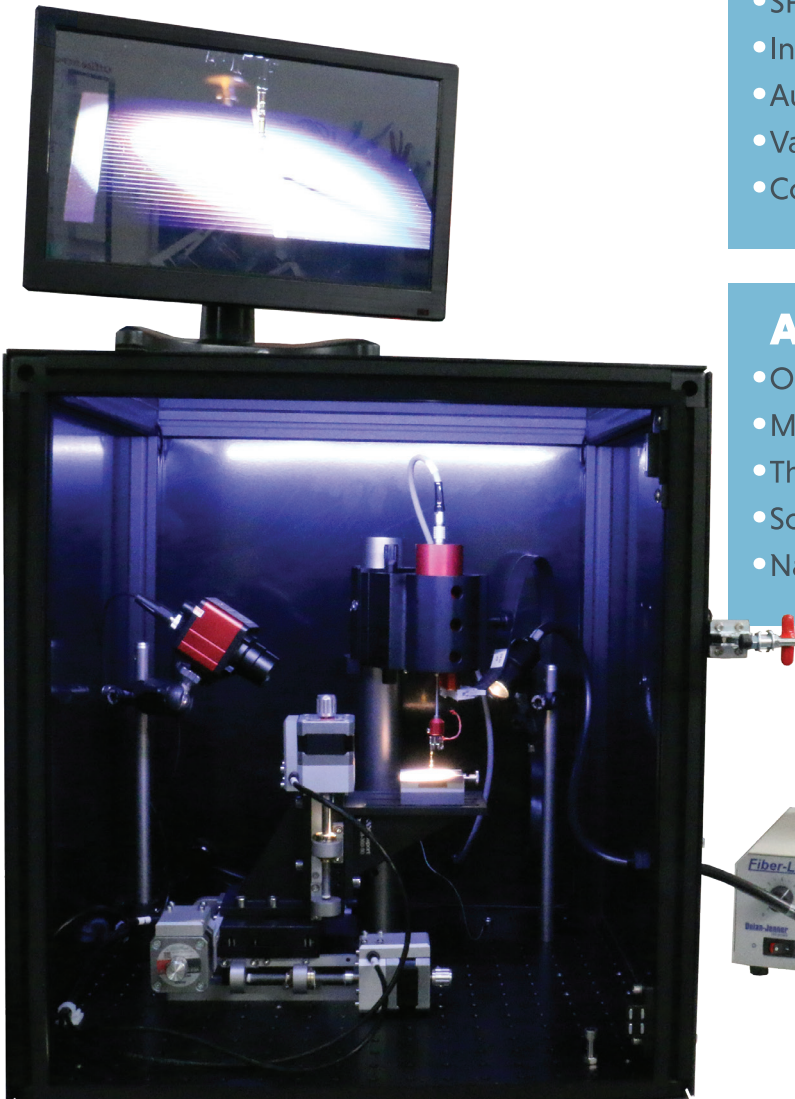


FEATURES

- SPV020 - QTH variable light source
- Intense light source
- Automatic software control
- Variable intensity SPV measurement
- Compatible with all Kelvin Probe systems

APPLICATIONS

- Organic and non-organic semiconductors
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Quartz Tungsten
Halogen SPV020
pictured with SKP5050