

Spectroscopic Ellipsometry

A Full Range of Solutions

For more than 25 years, HORIBA Scientific has continued to develop the next generation of scientific spectroscopic ellipsometers, delivering unparalleled accuracy and high resolution ellipsometric measurements for nano and micro layer characterization.

Our phase and liquid crystal modulation ellipsometers were developed by leveraging Jobin Yvon's extensive experience in optics. Our ellipsometers are driven by the DeltaPsi2 software platform, which includes numerous functions for data acquisition, modelling, data processing and reporting.

UVISEL Series: The Ultimate for Research and Development

Phase Modulated Spectroscopic Ellipsometers

System: **UVISEL 2**

Applications: High-end research and development
Universities and R&D institutes
Industrial research

- Features:**
- Fully automated
 - Patented Vision system
 - Microspot capability
 - Sensitive phase modulation technology
 - Spectral range: 190 to 2100 nm

System: **UVISEL**

Applications: Research and development
Universities and institutes

- Features:**
- High flexibility
 - Modular system
 - Sensitive phase modulation technology
 - Spectral range: 190 to 2100 nm

System: **UVISEL VUV**

Applications: High-end research and development

- Features:**
- Spectral range 147 to 2100 nm
 - High accuracy and low noise measurement
 - Low N2 consumption
 - Fast acquisition time
 - High throughput sample conditioning



AutoSE / SmartSE Series

Liquid Crystal Modulated Spectroscopic Ellipsometers

System: **AutoSE**

- Applications:
- Routine analysis
 - Quality control
 - Industrial applications
- Features:
- Analytical system
 - Operator mode interface
 - Comprehensive results report
 - Fast measurements
 - Fully automated



System: **SmartSE**

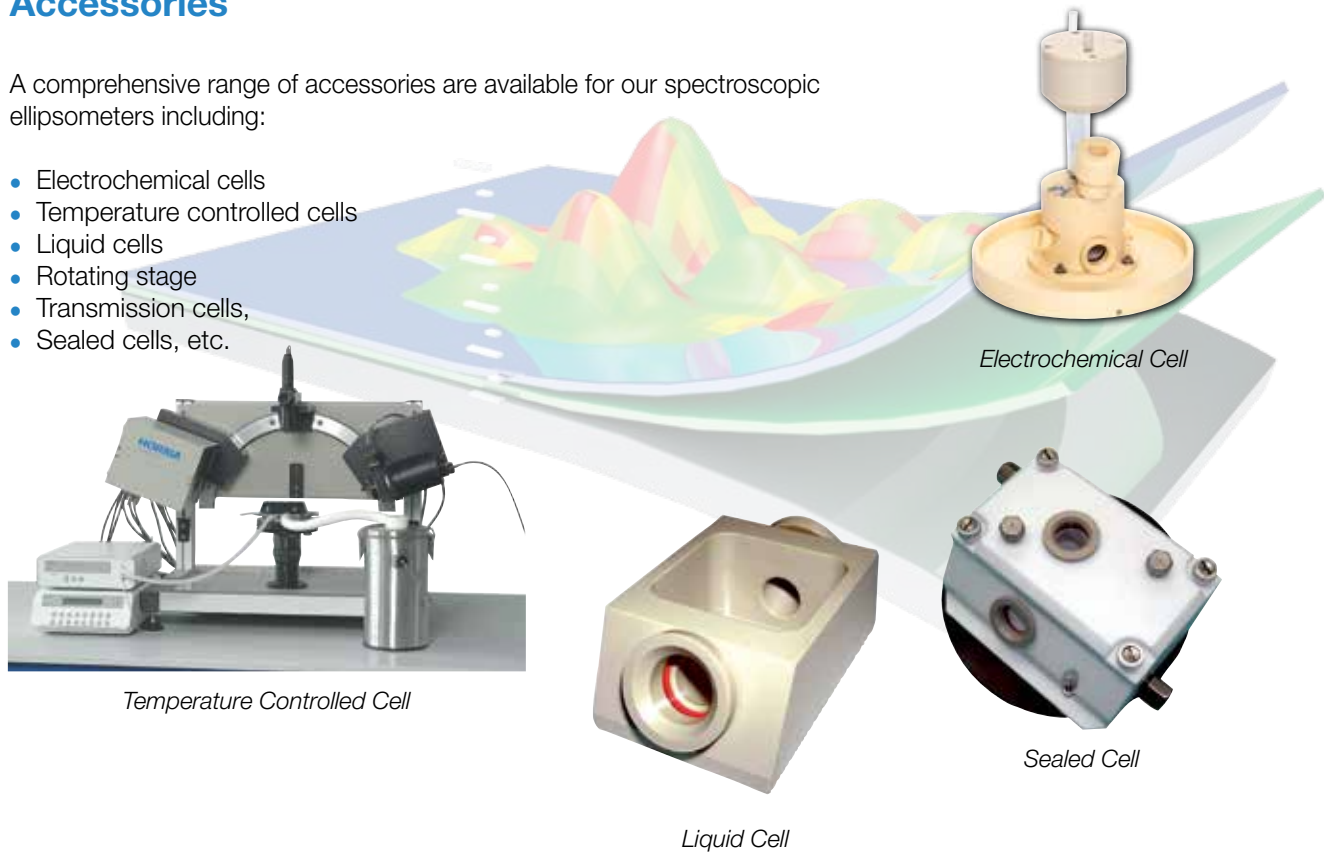
- Applications:
- Standard measuring tasks
 - Ex-situ and in-situ measurements
 - Research and development
- Features:
- Easy to use
 - Fast measurements
 - Flexible and modular system



Accessories

A comprehensive range of accessories are available for our spectroscopic ellipsometers including:

- Electrochemical cells
- Temperature controlled cells
- Liquid cells
- Rotating stage
- Transmission cells,
- Sealed cells, etc.



Electrochemical Cell

Temperature Controlled Cell

Liquid Cell

Sealed Cell

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