

Spectroscopic ellipsometer UVISEL

Application:

Ellipsometric analysis, provide information about thin film thickness and optical constants characterization.

Functional parameters:

Spectral range: from 190 to 2100 nm;

Detection: high resolution monochromator;

Sample stage: 200x200 mm;

Goniometer with automatically adjustable angle from 40° to 90° by step of 0.01°;

Accessories: temperature controlled cell, liquid cell, electrochemical cell;

Vision: CCD camera;

Accuracy: $\Psi = 45^\circ \pm 0.02^\circ$ and $\Delta\Delta = 0^\circ \pm 0.02^\circ$ measured in air configuration 1.5 - 5 eV;

Repeatability: NIST 1000Å SiO₂/Si (190-2100 nm): $d \pm 0.1\%$ - $n(632.8\text{nm}) \pm 0.0001$.

