

PROBE Spectroscopy System



antas
Technology Corporation.®

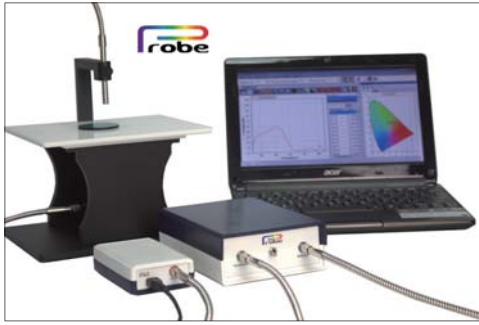
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Scan with your smartphone
to watch the video



Features:

- Complete spectral analysis
- High sensitivity 3000 elements CCD array
- Fast and continuous measurements
- Dual tungsten light source for transmission and reflection
- Easy to use sample stage with standard fiber-optic connection
- Calibrated reference
- Windows based control/analysis software
- Cost effective

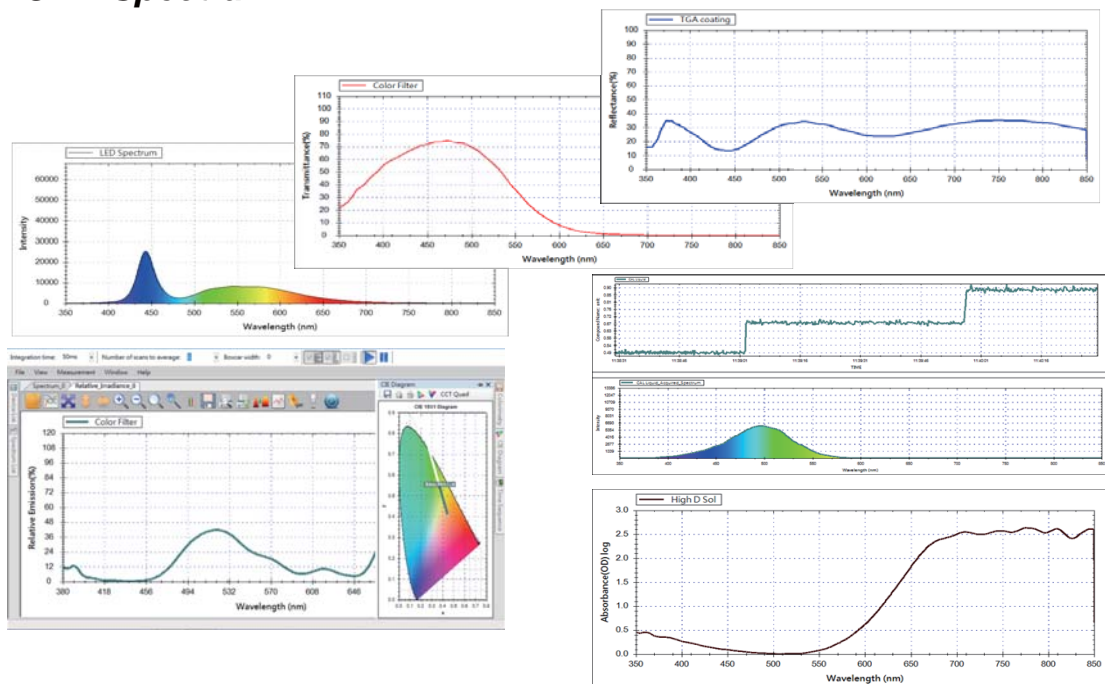
Antas 's PROBE spectroscopy measurement system

provide all-in-one solution for measuring transmission, reflection, absorbance, color coordinate and emission.

The system is ideal for manufacturers and scientists who need to obtain fast and accurate measurements of flat panel display glass, optical coating, solar cell, LED/OLED, semiconductor, dielectric materials, paint samples, plastics and more.

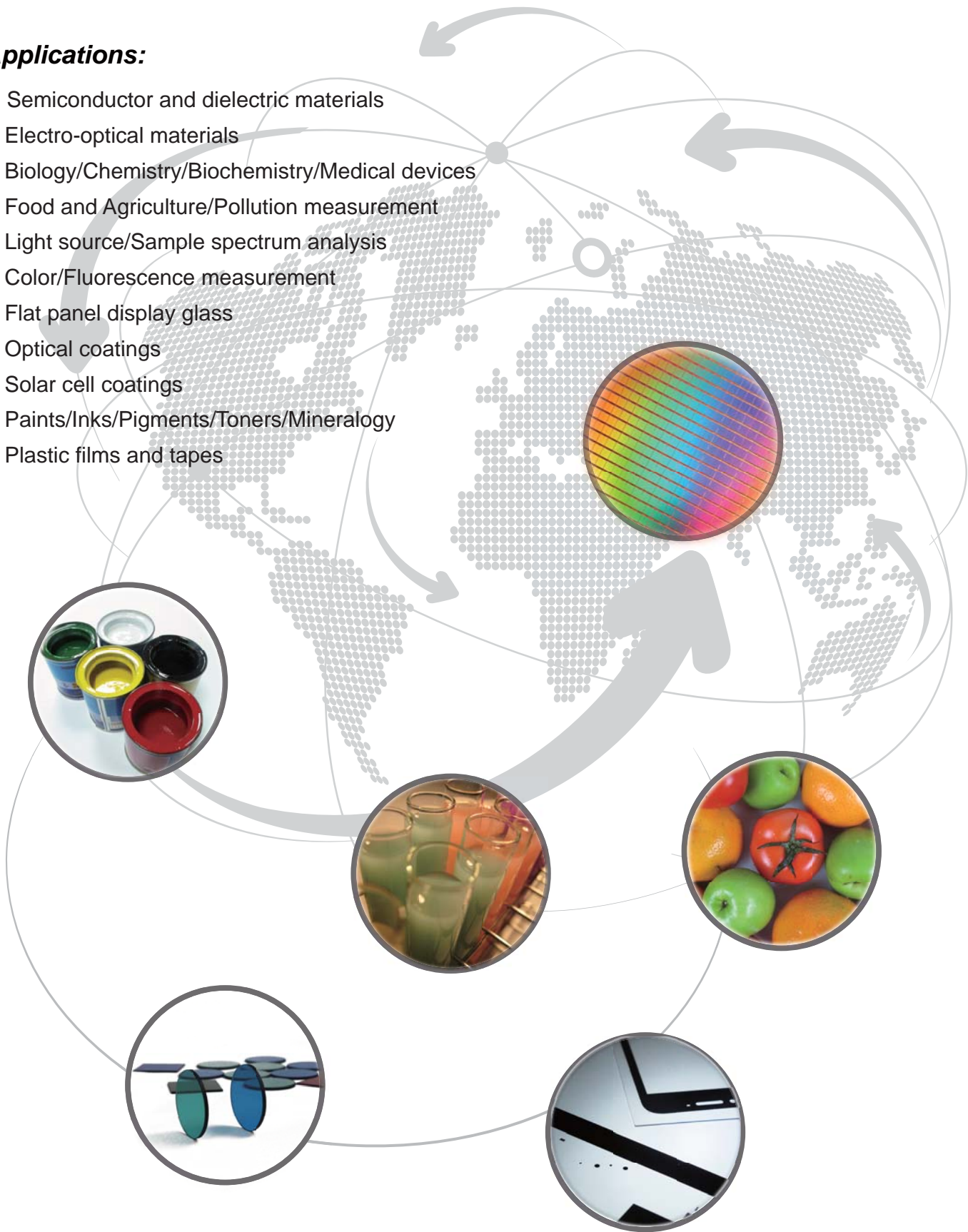
The system connects to the USB port of your Windows™ computer and sets up in minutes .

PROBE Spectrum:



Applications:

- Semiconductor and dielectric materials
- Electro-optical materials
- Biology/Chemistry/Biochemistry/Medical devices
- Food and Agriculture/Pollution measurement
- Light source/Sample spectrum analysis
- Color/Fluorescence measurement
- Flat panel display glass
- Optical coatings
- Solar cell coatings
- Paints/Inks/Pigments/Toners/Mineralogy
- Plastic films and tapes



PROBE Specifications:



| | |
|---------------------------------|---|
| Measurement type: | spectrum, transmission, reflection, absorbance, strip bar, color, concentration |
| Sample type: | glass, plastic, metal or solutions |
| Illumination angle: | 0 degree |
| Sample stage platform (WxL):* | 180 x 150mm |
| Spectral range: | 350 - 850nm |
| Spectral resolution: | 5nm |
| Data point interval: | 1nm |
| Illumination spot size: | 5mm (at 25mm distance) |
| Typical measurement speed: | 1 - 3 seconds |
| Calibrated sample: | 2 inches Aluminum mirror |
| Fiber-optic connection: | SMA 905 |
| Light Source: | Dual tungsten halogen lamps |
| Computer interface: | USB 2.0 |
| Light source power requirement: | 110VAC, 50/60Hz |
| Dimensions: | |
| Sample stage(WxLxH): | 200mm x 150mm x 210mm |
| Halogen Light Source(WxLxH): | 110mm x 140mm x 50mm |
| Spectrometer(WxLxH): | 60mm x 100mm x 30mm |
| Weight: | |
| Sample stage: | 2000g |
| Halogen Light Source: | 300g |
| Spectrometer: | 100g |
| Operation conditions: | -10°C to +50°C, 0-90% non-condensing |
| Warranty: | One year |

* custom size available on request

System Diagram:

