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Specifications for UV/VIS-NIR Spectrophotometer ((PR No.1000011057)

Item	Description
UV/VIS-NIR Spectrophotometer	<ul style="list-style-type: none"> • Light Source: Deuterium lamp & Halogen lamp • Wavelength range : 190 to 2700 nm (3200 nm, option) • Scanning speed : 10~4000 nm/min • Slew speed minimum: 12,000 nm/min (UV-Vis region) 48,000 nm/min (NIR region) • Spectral bandwidth: 0.1, 0.2, 0.5, 1, 2, 5, 10 nm (UV-Vis region) 0.4, 0.8, 1, 2, 4, 8, 20, 40 nm (NIR region) • Photometric range: 0 to 10000 %T -3 to 4 Abs (UV-VIS region) -3 to 3 Abs (NIR region) • Detector : Photomultiplier tube, Peltier cooled PbS
Integrating Sphere	<ul style="list-style-type: none"> • Minimum diameter of inside Integrating sphere : 60 mmφ • Incident angle to reflection surface : 0°, approx. 5° • Min. sample size (reflection) : 20(H)×20(W)×0.5(t)mm • Max. sample size (reflection) : 65(H)×50(W)×25(t)mm • Wavelength range atleast : 200 - 2500nm
Spectra Manager	<ul style="list-style-type: none"> • Measurement modes: Wavelength scan (Abs, %T, %R, Sample, Reference) Time scan (Abs, %T, %R, Sample, Reference) Fixed wavelength (Up to 8 wavelengths) Abs/%T monitor • Data processing: Peak picking, Peak height, Peak area, Peak width, Derivatives, Smoothing, Data truncation, Arithmetic, Baseline correction, Subtraction, Deconvolution, Vertical axis conversion, horizontal axis conversion <ul style="list-style-type: none"> • Other standard functions Film thickness measurement
Laptop (HP)	<ul style="list-style-type: none"> • Processor: 7th Gen Intel Core i5-7200U processor, 2.5GHz base processor speed • Operating System: Windows 10 Home • Display: 15.6-inch FHD (1920x1080) display <ul style="list-style-type: none"> • Memory & Storage: 8GB DDR4 RAM with Intel HD 620 Graphics Storage: 1TB HDD • Design & battery: Laptop weight: 2.2 kg Lithium battery