

<b>Summary Specification</b>	
BIL. SEBUTHARGA/QUOTATION REF.:	<u>UBD/Q/292/2024 (FOS) - [T]</u>
TARIKH DIKLANKAN :	<u>11 Februari 2025 [Selasa]</u>
TARIKH TUTUP :	<u>18 Februari 2025 [Selasa]</u> JAM: 2 Petang
DOCUMENT FEE :                      B\$ 10.00	

**IMPORTANT**

The Official PDF quotation/tender form will be send via email once UBD Official receipt issued and send to vendors/supplier for confirmation of payment received.

Mode of Payments > REFER IN UBD WEBSITE

Please take note that the document fee for each of the New and Extended quotations will be BND 10.00 each

**Important Note:** Please ensure that you provide the correct details when making the payment.

Please email proof of the above payment to [helpdesk.epay@ubd.edu.bn](mailto:helpdesk.epay@ubd.edu.bn) , [finance@ubd.edu.bn](mailto:finance@ubd.edu.bn),[eprocurement.support@ubd.edu.bn](mailto:eprocurement.support@ubd.edu.bn).

TITLE :		<u>SUPPLY, DELIVERY, INSTALLATION &amp; COMMISSIONING ONE (1) UNIT OF UV-VIS SPECTROPHOTOMETER COMPLETE WITH STANDARD ACCESSORIES, UNIVERSITI BRUNEI DARUSSALAM</u>	
No.	Quantity	Descriptions	
1	1 UNIT	<b>UV-Vis Spectrophotometer</b> UV-Vis Spectrophotometer with the following specifications:	
<b>A</b>		Wavelength range	190 to 1,100 nm
		Spectral bandwidth	1 nm (190 to 1,100 nm)
		Wavelength setting	0.1 nm increments (1 nm increments when setting scanning range)
		Wavelength accuracy	± 0.1 nm at D2 peak 656.1 nm, ± 0.3 nm for entire range
		Wavelength repeatability	± 0.1 nm
		Wavelength slew rate	Approx. 29,000 nm/min
		Wavelength scanning speed	3,000 to 2 nm/min, 29,000 nm/min when survey scanning
		Lamp interchange wavelength	Automatic interchange linked to wavelength. The interchange wavelength can be set freely in the range of 295 to 364 nm (0.1 nm increments).
		Stray light	Less than 0.02% at 220 nm (NaI), Less than 0.02% at 340 nm (NaNO <sub>2</sub> ), Less than 0.5% at 198 nm (KCl)
		Photometric system	Double beam optics
		Photometric range	Absorbance: -4 to 4 Abs, Transmittance: 0% to 400%
		Photometric accuracy	± 0.002 Abs at 0.5 Abs, ± 0.004 Abs at 1.0 Abs, ± 0.006 Abs at 2.0 Abs (measured using NIST930D/NIST1930 or equivalent.)
		Photometric repeatability	Less than ± 0.0002 Abs at 0.5 Abs, Less than ± 0.0002 Abs at 1 Abs

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No.	Quantity	Descriptions	
		Baseline stability	Less than 0.0003 Abs/Hr (700 nm, one hour after light source turned ON)
		Baseline flatness	Less than $\pm 0.0006$ Abs (1,100 to 190 nm, one hour after light source turned ON)
		Noise level	Less than 0.00005 Abs (700 nm)
		Light source	20-W halogen lamp and deuterium lamp. Built-in light source auto position adjustment.
		Monochromator	Blazed holographic grating in Czerny-Turner mounting
		Detector	Silicon photodiode
		Output device	USB memory (optional), Extended memory (optional), Data files saved in text format
		PC compatibility	External control possible via USB.
		Display	24-bit color touch screen, Touch pen (standard included), Touch panel protective sheet (optional)
2	1 unit 1 pair 1 pc	<b>Complete with:</b> UV 10 mm Cell Kit 10 mm Quartz UV Cells Microfibre cleaning cloth	
3	1 unit	Power Cord with Plug	
4	1 pc	10 mm Quartz UV Cell with stopper, Single Cell	
5	1 pc	10 mm Semi Micro Cell, 1 mL	
<b>B</b>		<b>Data Management</b>	
6	1 unit	Desktop Computer Microsoft Office Home & Student 2021 Full Version (by activation)	
7	1 pc	MCAFFEE INTERNET SECURITY 36 MONTHS (AV-MCAFFEE)	
8	1 unit	24-inch Monitor	
<b>C</b>		<b>Training</b>	
9	1 Lot	1-day On-site Installation, Testing, Commissioning and 1-day remote End-user & Application Training	

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