Technical Specification of OLED L-I-V Test System		
Product Name	OLED L-I-V test system	
Number of channels	1	
	Voltage, Current, Current density, Luminance, Color (CIE 1931), Spectrum, Quantum	
Measurement	Efficiency, Power Efficiency and Current Efficiency	
Spectro-radiometer		
Wavelength range	380 -780 nm	
Wavelength resolution	1 nm	
Wavelength precision	±0.3 nm	
Spectral bandwidth	5 nm or less	
Measuring angle	1°, 0.2°, 0.1°	
Minimum measuring area	0.2°- Ø 1.0 mm (350 mm)	
Minimum measuring distance	350 mm standard	
Luminance range	$0.2^{\circ}: 0.075 \sim 125,000 \text{ cd/m}^2$	
Luminance accuracy	±2%	
Chromaticity accuracy	x,y: $\pm 0.003 (0.075 \sim 0.125 \text{ cd/m}^2)$ @measuring angle 0.2° x,y: $\pm 0.003 (0.125 \sim 1.25 \text{ cd/m}^2)$ @measuring angle 0.2° x,y: $\pm 0.0015 (1.25 \text{ cd/m}^2 \text{ or more})$ @measuring angle 0.2°	
Integration time	Normal: 0.005~120 sec; Fast: 0.005~16 sec	
Measurement time	2 to 243 seconds	
Interface	USB 1.1	
Power	AC adapter 100 - 240 V ~ 50/60 Hz	
Source Measure Unit		
Control mode	Voltage Source Current Measure / Current Source Voltage Measure	



Output power	200 V. 1 A and 20 W			
Jig				
Sample type	Top and Bottom emission			
Substrate size	< 50 mm x 50 mm			
Active area	> 2 mm x 2 mm			
Electrical contact	Pogo pin			
Contact resistance	< 1 ohm			
Jig part auto rotation	Mandatory			
Switch	Pixel selection switch, top/bottom selection switch			
Motion Stage	XYZ and Theta stage	Jig XYZ manual stage, Jig Theta motion stage, Detector fixed stage		
	Stroke	$X = \pm 50 \text{ mm}, Y = \pm 50 \text{ mm}, Z = \pm 50 \text{ mm}$ and Theta $\pm 90^{\circ}$		
	Resolution	XYZ: 0.1 mm, Theta $\pm 1^{\circ}$		
	Vision	Monitoring Webcam		
Software				
Functions	LIV test & data measurement Viewing angle test & data measurement Test condition setting & Sequence Edit and Processing Parameter Calculation Graph Display & Data Save Hardware Control & Data File Export in Text Spreadsheet or MS Excel Format			
View angle measurement by rotation Θ stage	Mandatory			
Tabletop type black dark box	Mandatory			
Fixed detector stage + monitoring webcam	Mandatory			
Manual	Standard electronic & hard copy			
Warranty	One year standard warranty			



Extended Warranty	Two years after standard warranty (Quote as Optional)
Shipping terms	FOB
Facility details	Detailed information regarding facilities should be provided

Important Notes:

- 1. The manufacturer must have a recognized quality management system certification such as ISO 9001 or equivalent.
- 2. The manufacturer must have a vast expertise in the area of OLED systems and must have a very good sales record of selling systems for OLED display manufacturers, material companies, research institutes and universities working on OLEDs.
- 3. The vendor should supply the hardware and software together.
- 4. Please provide complete drawing of the system along with utilities connection and range. We may reject the tender if a proper drawing is not provided OR if the outlay/design proposed is not found satisfactory.
- 5. Please provide photographs, drawings and technical specifications of the equipment.
- 6. Please provide at least 3 references of laboratories where you have installed similar systems with full specification of the systems. We may reject the tender if we find the reference systems unsatisfactory.
- 7. Please provide details of after sales service. In case of a break down, maintenance and replacement of parts should be possible at purchaser's site. We may reject the quote if the after-sales service details or feedback from previous purchasers are found unsatisfactory.
- 8. Please provide separate technical and financial bids in sealed envelopes.
- 9. Please mark tender number on top of the cover envelope.
- 10. Please provide list of mandatory and optional spares along with wear & tear consumables list.

