

Technical Specification Of OLED Lifetime Testing System		
Sl. No.	ITEM	SPECIFICATIONS/FEATURES
1	Testing channels	16 channels
2	Measurement items	Time, Voltage, Current and Photo-current
3	Operational environment	20 to 30°C
4	Operation mode	DC - CC and CV
		Pulse - PC, PV and PCV
5	Current range	[Range 1] -1mA ~ +1mA
		[Range 2] -10mA ~ +10mA
6	Step current	1 mA
7	Current accuracy	[Range1] $\pm 0.05\%$ + 1uA (Full Scale)
		[Range2] $\pm 0.05\%$ + 10uA (Full Scale)
8	Photo-current range	[Range1] 0 ~ 10uA , [Range2] 0 ~ 100uA
		[Range3] 0 ~ 1mA
9	Current accuracy	[Range1] $\pm 0.05\%$ + 5nA (Full Scale)
		[Range2] $\pm 0.05\%$ + 10nA (Full Scale)
		[Range3] $\pm 0.05\%$ + 50nA (Full Scale)
10	Voltage range	± 20 V
11	Voltage accuracy	$\pm 0.05\%$ + 10mV (Full Scale)
12	Frequency range	10 - 256 Hz, 1 Hz step
13	Duty range	1 - 99% , 1% step
14	Jig unit	Standard to test at room temperature
15	No. of jig	16
16	Detector type	Si photodiode
17	Contact type	Spring pin contact
18	Substrate size	25 mm * 25 mm
19	Light Emitting side	Top and Bottom (both)
20	Software	Company designed

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21	OS Support	Microsoft windows 10
22	Power supply	220V AC, 50 Hz, 15 A
23	Facility details	Detailed information regarding facilities should be provided
24	Drawings, Manuals	Necessary electrical drawings and manuals (Hard & soft copy)
25	Associated Accessories and parts	List of necessary spare list should be provided
26	Shipping terms	Ex-works
27	Warranty	12 months from the date of commissioning

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.

