

Specification

for Pretilt angle Measurement System "PAMS-200"

ITEMS		SPECIFICATION	REMARK
Dimension (mm)		1200×800×1200(W×D×H)	
Output data	Data	Pretilt angle, Cell-gap	
	Resolution	< ±0.1-degrees	
	Pretilt range	All (-90 degrees ~ +90 degrees)	
Measurement method		Modified Crystal Rotation Method (Berreman's 4×4 matrix method)	
Sample	LC Mode	VA, IPS, TN, STN	Target Δnd TN < 0.1-μm VA < 0.5-μm IPS < 0.5-μm
	Size	Under 50-mm×100-mm	
	Cell-gap	Normal 2-μm ~ 15-μm	
Detector	Type	Photo-diode	
	Qt'y	3-ea	
	D/A	12-bits (11-bits garanted)	
Light Source	Type	He-Ne Laser	
	Wavelength	632.8-nm	
	Life time	Over 5,000-hours	
Stage	Type	Auto rotaion stage	
	Precision	0.01-degrees	
	Rot. angle for measurement	Max. 60 degrees	
Polarizer	Type	Protected sheet polarizer	
	Extinction ratio	10 ⁻⁴	
Control PC		Pentium IV (2.4 GHz) 17" TFT-LCD OS: Windows XP	
Training		1 Day	
Delivery		3 Months	
AS		1 Year	

* Specifications may be changed without notification.