

# Specification

for Electro-optic characteristics Measurement System "LCMS-200"

ITEMS		SPECIFICATION	REMARK
V-T Characteristic	Waveform	Square wave	
	Driving voltage	0 ~ ± 10 V	
	Step voltage	0.01 ~ 0.5 V	
	Driving frequency	1 ~ 10 KHz	
	Output	Transmittance 10%, V50, V90 Voltage	
Response time	Waveform	Square wave	
	Driving voltage	0 ~ ± 10 V	
	Sampling periode	0.1 ~ 1 msec	
	Measuring time	0.1 ~ 2 sec	
	Output	Rising time, Falling time	
Transmittance	Waveform	Square wave	
	Driving voltage	0 ~ ± 10 V	
	Integration time	1 ~ 5 sec	
	Driving frequency	1 ~ 10 KHz	
	Output	Transmittance %	
Contrast ratio	Waveform	Square wave	
	Driving voltage	0 ~ ± 10 V	
	Integration time	1 ~ 5 sec	
	Driving frequency	1 ~ 10 KHz	
	Output	Contrast ratio = Bright voltage / Dark voltage	
Residual DC	Meas. Iteration	1 ~ 5 cycles	
	Waveform	DC	
	Bias voltage	± 1 ~ ± 10 V	
	Step voltage	0.01 ~ 0.2 V	
	Sampling time	0.1 ~ 0.5 sec	
	Output	Residual DC	

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\* Specifications may be changed without notification.

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ITEMS		SPECIFICATION	REMARK
Voltage holding ratio	Channels	Max. 4 channels	Option
	Waveform	Square wave	
	Bias voltage	$\pm 1 \sim \pm 8$ V	
	Frame frequency	30 ~ 120 frames/sec	
	Duty ratio	1:10 ~ 1:100	
	Output	VHR %	
Viewing angle characteristic	Motion	Manual Or Auto	Option
	Rotation angle	0 ~ $\pm 75$ degree	
Light source	Type	Halogen lamp, 100W	
	Beam size	Under 2 ~ 3 mm	
	Beam divergence	Under 5 degree	
	Color filter	Manual rotation R/G/B filter	
Control PC	H/W	P4, RAM256, HDD80	
	O/S	Windows XP	
Test sample	Loader	Linear guide	
	Size	Basic : under 4 inch (Diagonal size) Option : Customer ordered	

(2/2)

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