




**LANDT INSTRUMENTS**
**CT2001A-5V50mA Battery Test System**

Model	CT2001A-	5	V	50	mA	Battery Test System				
Item		Value								
Input Power		AC 110V $\pm$ 10% / 60Hz or AC 220V $\pm$ 10% / 50Hz								
Working Power		30		W						
Resolution		AD : 16bit ; DA : 16bit								
Input Impedance		$\geq$ 1M $\Omega$								
Voltage	Test Range	Charge : 10mV~5V				Discharge : 10mV~5V				
	Lowest Discharge Voltage	10mV								
	Accuracy	$\pm$ 0.1% of FS +0.1% RD								
	Stability	$\pm$ 0.1% of FS +0.1% RD								
Current	Test Range	Charge : 0.25mA~50mA			Discharge : 0.25mA~50mA					
	Accuracy	$\pm$ 0.1% of FS + 0.1% RD								
	Stability	$\pm$ 0.1% of FS + 0.1% RD								
Power	Single Channel Power	3.75W								
	Stability	$\pm$ 0.2% of FS + 0.1% RD								
Time	Current response	Current (10%~90% range) Response in 20ms								
	Step Duration	$\leq$ (365*24) hrs/Step				Timing Format (hh:mm:ss)				
Data Acquisition	Recording Condition	$\Delta$ t: (60s~60000s)								
		Voltage $\Delta$ U : (20mV~5V)								
	Current $\Delta$ I : (0.1mA~50mA)									
Charge	Record Frequency	0.33Hz								
	Charge Mode	Constant Current (CC) Charge, Constant Voltage (CV) Charge, CC-CV Charge								
Discharge	Cut-off	Voltage, Current, time, Capacity, $-\Delta$ V								
	Discharge Mode	Constant Current Discharge, Constant Power Discharge								
Cycle	Cut-off	Voltage, Current, time, Capacity, $-\Delta$ V								
	Cycle numbers	1~65535								
	Steps in each cycle loop	63								
Protection	Safety Characteristic	Support 3 inner cycles								
		<ul style="list-style-type: none"> <li>• Data saved automatically at power failure</li> <li>• Top Voltage Cut, Bottom Voltage Cut, Top Current Cut, Bottom Current Cut, Time Cut</li> </ul>								
Channel Characteristic		Independent Voltage/Current Control and Supply								
Connection		4-Electrode, 2-Electrode								
Noise		<85dB								
Communication port		RS422								
Data export		EXCEL, TXT								
Channel Numbers		8								
Working Environment										
Item		Value								
Working Temperature		0 ~ 40°C								
Storage Temperature		-10 ~ 50°C								
Humidity		$\leq$ 70% RH								
Storage Humidity		$\leq$ 80% RH								

Item	Value	
Clamp		
Equipment Dimension(L*D*H) (in)	20*15*5	
Equipment Picture		

## Landt Instruments

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