




LANDT INSTRUMENTS
CT2001A-5V80mA Battery Test System

Model	CT2001A-	5	V	80	mA	Battery Test System				
Item		Value								
Input Power		AC 110V ±10% / 60Hz or AC 220V ±10% / 50Hz								
Working Power		30		W						
Resolution		AD : 16bit ; DA : 16bit								
Input Impedance		≥1MΩ								
Voltage	Test Range	Charge : 10mV~5V				Discharge : 10mV~5V				
	Lowest Discharge Voltage	10mV								
	Accuracy	± 0.1% of FS +0.1% RD								
	Stability	± 0.1% of FS +0.1% RD								
Current	Test Range	Charge : 0.4mA~80mA			Discharge : 0.4mA~80mA					
	Accuracy	± 0.1% of FS + 0.1% RD								
	Stability	± 0.1% of FS + 0.1% RD								
Power	Single Channel Power	3.75W								
	Stability	± 0.2% of FS + 0.1% RD								
Time	Current response	Current (10%~90% range) Response in 20ms								
	Step Duration	≤(365*24) hrs/Step				Timing Format (hh:mm:ss)				
Data Acquisition	Recording Condition	Δt: (60s~60000s)								
		Voltage ΔU : (20mV~5V)								
	Current ΔI : (0.16mA~80mA)									
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, -ΔV								
	Discharge Mode	Constant Current Discharge, Constant Power Discharge								
Cycle	Cut-off	Voltage, Current, time, Capacity, -ΔV								
	Cycle numbers	1~65535								
	Steps in each cycle loop	63								
Protection	Safety Characteristic	Support 3 inner cycles								
		<ul style="list-style-type: none"> • Data saved automatically at power failure • Top Voltage Cut, Bottom Voltage Cut, Top Current Cut, Bottom Current Cut, Time Cut 								
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		≤70% RH								
Storage Humidity		≤80% RH								

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

Landt Instruments

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