




LANDT INSTRUMENTS

CT2001A-5V500mA Battery Test System

Model	CT2001A-	5	V	500	mA	Battery Test System				
Item						Value				
Input Power						AC 110V ±10% / 60Hz or AC 220V ±10% / 50Hz				
Working Power						280	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 : 2.5mA~500mA		Discharge : 2.5mA~500mA		
	Accuracy					± 0.1% of FS + 0.1% RD				
	Stability					± 0.1% of FS + 0.1% RD				
Power	Single Channel Power					35W				
	Stability					± 0.1% 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 : (1mA~500mA)									
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					• 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

Croton-on-Hudson NY 10520
 Phone: (888)505-1296
 Email:landt@landtinst.com
www.landtinst.com