

Lanhe CT3002AU
Battery Test System



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LANDT INSTRUMENTS
CT2001A-5V5mA BTS System

Model	CT2001A-	5	V	5	mA	BTS System	Code:	CT-4008	-5V5mA	A1
Parameter						Value				
Input Power						AC 110V ±10% / 60Hz or AC 220V ±10% / 50Hz				
Working Power						50	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: 0.01mA~5mA		Discharge: 0.01mA~5mA		
	Accuracy					± 0.1% of FS + 0.1% RD				
	Stability					± 0.1% of FS + 0.1% RD				
Power	Single Channel Power					6.25W				
	Stability					± 0.2% of FS + 0.1% RD				
Time	Current response					Current（10%~90%）Response is in 20ms				
	Step Duration					≤(365*24) hrs/Step		Timing Format (hh:mm:ss)		
Data Acquisition	Recording Condition					Δt:（60s~60000s）				
						VoltageΔU:（20mV~5V）				
						Current ΔI:（0.01mA~5mA）				
	Record Frequency					1Hz				
Charge	Charge Mode					Constant Current Charge, Constant Voltage Charge, CC-CV Charge				
	Cut-off					Voltage, Current, time, Capacity, -ΔV				
Discharge	Discharge Mode					Constant Current Discharge, Constant Power Discharge				
	Cut-off					Voltage, Current, time, Capacity, -ΔV				
Cycle	Cycle numbers					1~65535				
	Steps in each cycle loop					63				
	Cycle loops in a cycle					Support 3 inner cycles				
Protection	Safety Characteristic					● Data Saved at Power Failure				
						● Top Voltage Limit, Lower Voltage Limit, Top Current Limit, Lower Current Limit, Time				
Channel Characteristic						Independent Voltage and Current Control				
Connection						4-Electrode				
Noise						<85dB				
Communication port						RS232				
Data export						EXCEL, TXT				
Channel Numbers						8				
Working Environment										
Parameter						Value				
Working Temperature						0℃~40℃				
Storage Temperature						-10℃~50℃				
Humidity						≤70% RH				
Storage Humidity						≤80% RH				




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

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LANDT INSTRUMENTS
CT2001A-5V10mA Battery Test System

Model	CT2001A-	5	V	10	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 : 0.05mA~10mA		Discharge : 0.05mA~10mA		
	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 :（0.02mA~10mA）				
Charge	Record Frequency					0.33Hz				
	Charge Mode					Constant Current (CC) Charge, Constant Voltage (CV) Charge, CC-CV Charge				
	Cut-off					Voltage, Current, time, Capacity, -ΔV				
Discharge	Discharge Mode					Constant Current Discharge, Constant Power Discharge				
	Cut-off					Voltage, Current, time, Capacity, -ΔV				
Cycle	Cycle numbers					1~65535				
	Steps in each cycle loop					63				
	Cycle loops in a cycle					Support 3 inner cycles				
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℃				
Storage Temperature						-10 ~ 50℃				
Humidity						≤70% RH				
Storage Humidity						≤80% RH				

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

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LANDT INSTRUMENTS
CT2001A-5V20mA Battery Test System

Model	CT2001A-	5	V	20	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 : 0.1mA~20mA		Discharge : 0.1mA~20mA		
	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 : (0.04mA~20mA)				
Charge	Record Frequency					0.33Hz				
	Charge Mode					Constant Current (CC) Charge, Constant Voltage (CV) Charge, CC-CV Charge				
	Cut-off					Voltage, Current, time, Capacity, -ΔV				
Discharge	Discharge Mode					Constant Current Discharge, Constant Power Discharge				
	Cut-off					Voltage, Current, time, Capacity, -ΔV				
Cycle	Cycle numbers					1~65535				
	Steps in each cycle loop					63				
	Cycle loops in a cycle					Support 3 inner cycles				
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℃				
Storage Temperature						-10 ~ 50℃				
Humidity						≤70% RH				
Storage Humidity						≤80% RH				

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

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LANDT INSTRUMENTS
CT2001A-5V50mA Battery Test System

Model	CT2001A-	5	V	50	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 : 0.25mA~50mA		Discharge : 0.25mA~50mA		
	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 :（0.1mA~50mA）				
Charge	Record Frequency					0.33Hz				
	Charge Mode					Constant Current (CC) Charge, Constant Voltage (CV) Charge, CC-CV Charge				
	Cut-off					Voltage, Current, time, Capacity, -ΔV				
Discharge	Discharge Mode					Constant Current Discharge, Constant Power Discharge				
	Cut-off					Voltage, Current, time, Capacity, -ΔV				
Cycle	Cycle numbers					1~65535				
	Steps in each cycle loop					63				
	Cycle loops in a cycle					Support 3 inner cycles				
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℃				
Storage Temperature						-10 ~ 50℃				
Humidity						≤70% RH				
Storage Humidity						≤80% RH				

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

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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				
	Cut-off					Voltage, Current, time, Capacity, -ΔV				
Discharge	Discharge Mode					Constant Current Discharge, Constant Power Discharge				
	Cut-off					Voltage, Current, time, Capacity, -ΔV				
Cycle	Cycle numbers					1~65535				
	Steps in each cycle loop					63				
	Cycle loops in a cycle					Support 3 inner cycles				
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℃				
Storage Temperature						-10 ~ 50℃				
Humidity						≤70% RH				
Storage Humidity						≤80% RH				

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

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LANDT INSTRUMENTS
CT2001A-5V100mA Battery Test System

Model	CT2001A-	5	V	100	mA	Battery Test System				
Item						Value				
Input Power						AC 110V ±10% / 60Hz or AC 220V ±10% / 50Hz				
Working Power						56	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 : 0.5mA~100mA		Discharge : 0.5mA~100mA		
	Accuracy					± 0.1% of FS + 0.1% RD				
	Stability					± 0.1% of FS + 0.1% RD				
Power	Single Channel Power					7W				
	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 :（0.2mA~100mA）				
Charge	Record Frequency					0.33Hz				
	Charge Mode					Constant Current (CC) Charge, Constant Voltage (CV) Charge, CC-CV Charge				
	Cut-off					Voltage, Current, time, Capacity, -ΔV				
Discharge	Discharge Mode					Constant Current Discharge, Constant Power Discharge				
	Cut-off					Voltage, Current, time, Capacity, -ΔV				
Cycle	Cycle numbers					1~65535				
	Steps in each cycle loop					63				
	Cycle loops in a cycle					Support 3 inner cycles				
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℃				
Storage Temperature						-10 ~ 50℃				
Humidity						≤70% RH				
Storage Humidity						≤80% RH				

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

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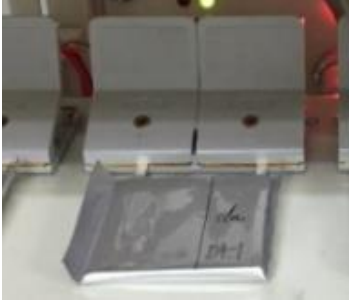

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LANDT INSTRUMENTS
CT2001A-5V200mA Battery Test System

Model	CT2001A-	5	V	200	mA	Battery Test System				
Item						Value				
Input Power						AC 110V ±10% / 60Hz or AC 220V ±10% / 50Hz				
Working Power						112	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 : 1mA~200mA		Discharge : 1mA~200mA		
	Accuracy					± 0.1% of FS + 0.1% RD				
	Stability					± 0.1% of FS + 0.1% RD				
Power	Single Channel Power					14W				
	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 :（0.4mA~200mA）				
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				
Protection	Steps in each cycle loop					63				
	Cycle loops in a cycle					Support 3 inner cycles				
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℃				
Storage Temperature						-10 ~ 50℃				
Humidity						≤70% RH				
Storage Humidity						≤80% RH				

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

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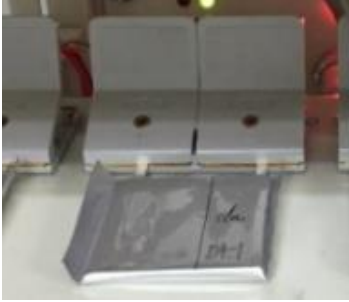

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LANDT INSTRUMENTS
CT2001A-5V500mA Battery Test System

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	Cycle loops in a cycle					Support 3 inner cycles				
	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℃				
Storage Temperature						-10 ~ 50℃				
Humidity						≤70% RH				
Storage Humidity						≤80% RH				

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

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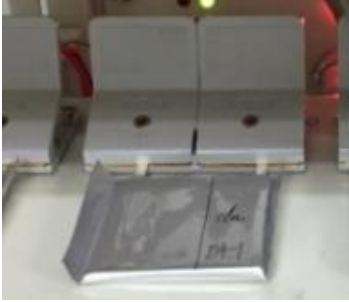

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LANDT INSTRUMENTS
CT2001A-10V1.5A Battery Test System

Model	CT2001A-	10	V	1500	mA	System				
Item						Value				
Input Power						AC 110V ±10% / 60Hz or AC 220V ±10% / 50Hz				
Working Power						1440	W			
Resolution						AD : 16bit ; DA : 16bit				
Input Impedance						≥1MΩ				
Voltage	Test Range					Charge : 20mV~10V		Discharge : 20mV~10V		
	Lowest Discharge Voltage					20mV				
	Accuracy					± 0.1% of FS +0.1% RD				
	Stability					± 0.1% of FS +0.1% RD				
Current	Test Range					Charge : 7.5mA~1500mA		Discharge : 7.5mA~1500mA		
	Accuracy					± 0.1% of FS + 0.1% RD				
	Stability					± 0.1% of FS + 0.1% RD				
Power	Single Channel Power					180W				
	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~10V）				
						Current ΔI :（3mA~1500mA）				
Record Frequency					0.33Hz					
Charge	Charge Mode					Constant Current (CC) Charge, Constant Voltage (CV) Charge, CC-CV Charge				
	Cut-off					Voltage, Current, time, Capacity, -ΔV				
Discharge	Discharge Mode					Constant Current Discharge, Constant Power Discharge				
	Cut-off					Voltage, Current, time, Capacity, -ΔV				
Cycle	Cycle numbers					1~65535				
	Steps in each cycle loop					63				
	Cycle loops in a cycle					Support 3 inner cycles				
Protection	Safety Characteristic					<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℃				
Storage Temperature						-10 ~ 50℃				
Humidity						≤70% RH				
Storage Humidity						≤80% RH				

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

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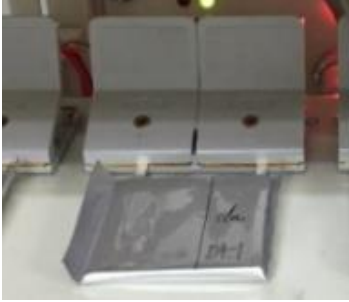

Phone: (888)505-1296

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LANDT INSTRUMENTS
CT2001A-5V1ABattery Test System

Model	CT2001A-	5	V	1000	mA	Battery Test System				
Item						Value				
Input Power						AC 110V ±10% / 60Hz or AC 220V ±10% / 50Hz				
Working Power						560	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 : 5mA~1000mA		Discharge : 5mA~1000mA		
	Accuracy					± 0.1% of FS + 0.1% RD				
	Stability					± 0.1% of FS + 0.1% RD				
Power	Single Channel Power					70W				
	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 :（2mA~1000mA）				
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				
Protection	Steps in each cycle loop					63				
	Cycle loops in a cycle					Support 3 inner cycles				
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℃				
Storage Temperature						-10 ~ 50℃				
Humidity						≤70% RH				
Storage Humidity						≤80% RH				

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

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CT2001A-5V1mA Battery Test System

Model	CT2001A-	5	V	1	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 : 0.005mA~1mA		Discharge : 0.005mA~1mA		
	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 :（0.002mA~1mA）				
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	Cycle loops in a cycle					Support 3 inner cycles				
	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℃				
Storage Temperature						-10 ~ 50℃				
Humidity						≤70% RH				
Storage Humidity						≤80% RH				

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

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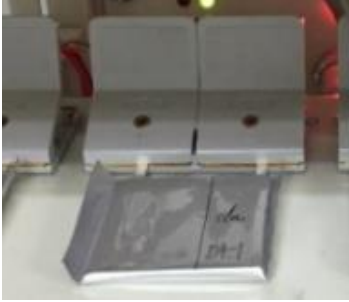

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LANDT INSTRUMENTS
CT2001A-5V2ABattery Test System

Model	CT2001A-	5	V	2000	mA	Battery Test System				
Item						Value				
Input Power						AC 110V ±10% / 60Hz or AC 220V ±10% / 50Hz				
Working Power						1120	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 : 10mA~2000mA		Discharge : 10mA~2000mA		
	Accuracy					± 0.1% of FS + 0.1% RD				
	Stability					± 0.1% of FS + 0.1% RD				
Power	Single Channel Power					140W				
	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 :（4mA~2000mA）				
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	Cycle loops in a cycle					Support 3 inner cycles				
	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℃				
Storage Temperature						-10 ~ 50℃				
Humidity						≤70% RH				
Storage Humidity						≤80% RH				

Item	Value	
Clamp	 	
Equipment Dimension(L*D*H) (in)	20*15*5	
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Model	CT2001A-	5	V	2	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 : 0.01mA~2mA		Discharge : 0.01mA~2mA		
	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 :（0.004mA~2mA）				
Charge	Record Frequency					0.33Hz				
	Charge Mode					Constant Current (CC) Charge, Constant Voltage (CV) Charge, CC-CV Charge				
	Cut-off					Voltage, Current, time, Capacity, -ΔV				
Discharge	Discharge Mode					Constant Current Discharge, Constant Power Discharge				
	Cut-off					Voltage, Current, time, Capacity, -ΔV				
Cycle	Cycle numbers					1~65535				
	Steps in each cycle loop					63				
	Cycle loops in a cycle					Support 3 inner cycles				
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℃				
Storage Temperature						-10 ~ 50℃				
Humidity						≤70% RH				
Storage Humidity						≤80% RH				

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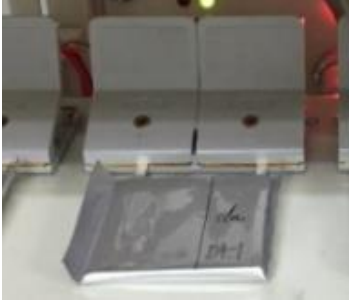

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CT2001A-5V5ABattery Test System

Model	CT2001A-	5	V	5000	mA	Battery Test System				
Item						Value				
Input Power						AC 110V ±10% / 60Hz or AC 220V ±10% / 50Hz				
Working Power						2800	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 : 25mA~5000mA		Discharge : 25mA~5000mA		
	Accuracy					± 0.1% of FS + 0.1% RD				
	Stability					± 0.1% of FS + 0.1% RD				
Power	Single Channel Power					350W				
	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 :（10mA~5000mA）				
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	Cycle loops in a cycle					Support 3 inner cycles				
	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℃				
Storage Temperature						-10 ~ 50℃				
Humidity						≤70% RH				
Storage Humidity						≤80% RH				

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