

BTS-5V10mA Battery Analyzer

Model: BTS-5 V 10 mA


Material code: CT-300 8 W-5V10mA

Project Indicators		Concrete Parameter
Power Supply		AC 220V ±10% / 50Hz
Resolution		AD: 16bit; DA: 14bit
Input Impedance		≥1MΩ
Data Sampling Frequency (Lower-subordinate Machine)		10Hz
Mode Control for Each Channel		Independent
Voltage	Voltage Range for Each Channel	Charge: 0.5~5V Discharge: 0.5V ~5V
	Measurement Precision	± (0.05% of reading + 0.05% of range)
	Resolution	0.0003 V
	Stability	0.10%
Current	Current Range for Each Channel	Charge: 0.02mA ~10mA Discharge: 0.02mA ~10mA
	Measurement Precision	± (0.05% of reading + 0.05% of range)
	Resolution	0.0006 mA
	Stability	0.10%
Power		30W
Time	Response Time	Response time for hardware during the current range0A~10A: ≤20ms
	Step Time Range	≤1000hours/step
	Resolution	1s
	Accuracy	10 ⁻⁴ s
Data Record	Record Condition	Δt: (1s~60000s)
		ΔU: (0.005V~5V)
		ΔI: (0.01mA~10mA)
Record Frequency		1Hz
Charge	Mode	Constant current charge, Constant voltage charge, Constant current and constant voltage charge
	INTPND	Voltage, Current, Time, Capacity
Discharge	Mode	Constant current discharge, Constant power discharge, Constant resistance discharge
	INTPND	Voltage, Current, Time, Capacity
Cycle	Cycle Measurement Range	1~9999 times
	Number of Single Step	63
	CycleNested Loop	Watches with nested loop, supports up to 3 nested.

Project Indicators		Concrete Parameter
Software Protection	1.Intelligent power failure protection,the date will never lose at any cases.	
	2.Over-voltage protection, Under-voltage protection, Over-current protection, Under-current protection, Over-capability protection; and the value can be setup.	
Noise	<65dB	
Data flow	EXCEL、TXT、Graph	
Interface(CI)	RS232	
Number of Channels for Each Unit	8	

Working Environment

Project Indicators	Concrete Parameter
Operating Temperature	0℃~45℃
Storage Temperature	0℃~55℃
Operating Humidity	30% ~ 80% RH(non-condensing)
Storage Humidity	30% ~ 90% RH(non-condensing)

Project Indicators	Concrete Parameter
Clamp Type	Alligator Clamp
Dimension	3U case, W*D*H: 482*378*130(mm)
Equipment Pictures	 <p>The pictures is for a reference only, the actual item is the standard.</p>