

BTS-10V3A Battery Analyzer

Model: BTS-10 V3 A

Material code: CT-300 8 W-10V3A

Project Indicators		Concrete Parameter
Power Supply		AC 220V \pm 10% / 50Hz
Resolution		AD: 16bit; DA: 14bit
Input Impedance		\geq 1M Ω
Data Sampling Frequency (Lower-subordinate Machine)		10Hz
Mode Control for Each Channel		Independent
Voltage	Voltage Range for Each Channel	Charge: 0.5~10V Discharge: 1.2V ~10V
	Measurement Precision	\pm (0.05% of reading + 0.05% of range)
	Resolution	0.0006 V
	Stability	0.10%
Current	Current Range for Each Channel	Charge: 0.006A ~3A Discharge: 0.006A ~3A
	Measurement Precision	\pm (0.05% of reading + 0.05% of range)
	Resolution	0.0002 A
	Stability	0.10%
Power		240W
Time	Response Time	Response time for hardware during the current range 0A~3A: \leq 20ms
	Step Time Range	\leq 1000hours/step
	Resolution	1s
	Accuracy	10 ⁻⁴ s
Data Record	Record Condition	Δ t: (1s~60000s)
		Δ U: (0.01V~10V)
		Δ I: (0.003A~3A)
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°C~45°C
Storage Temperature	0°C~55°C
Operating Humidity	30% ~ 80% RH(non-condensing)
Storage Humidity	30% ~ 90% RH(non-condensing)

Project Indicators	Concrete Parameter
Clamp Type	Universal-type Clamp
Dimension	3U case, W*D*H: 482*378*130(mm)

Equipment Pictures



The pictures is for a reference only, the actual item is the standard.