

Features - SA-2000-R Series

- ◆ Small & Lightweight Portable Analyzer
- ◆ Line Voltage Measurement
- ◆ Device Under Test Current Measurement
- ◆ Earth/Ground Lead Resistance/ Leakage Current
- ◆ Point-to-Point Testing
- ◆ Enclosure/Chassis Leakage Current
- ◆ External Resistance
- ◆ External Leakage Current
- ◆ Source Receptacle Wiring Integrity Monitor
- ◆ MAP (Isolation) Function
- ◆ Internal ECG Simulator (SA-2010S Only)
- ◆ True RMS Readings
- ◆ AAMI ES1-1993 or IEC 601 Selectable Test Loads
- ◆ 85 to 265 VAC Operation
- ◆ Full 20 Amp Rating
- ◆ Touch Control Keys - No Knobs
- ◆ LED Status Indicators
- ◆ Audible Feedback
- ◆ Self-Test Points
- ◆ Externally Replaceable Ground Fuse
- ◆ Automatic Delay on Power Polarity Reversal to DUT
- ◆ Soft Carrying Case
- ◆ RS232 Communication

Optional

- ◆ External Point-to-Point (Red) Cable
- ◆ RS-232 Communications for Remote Control and Data Capture

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Safety Analyzer Series

BC Biomedical SA-2000-R Series



SA-2010S-R

The SA-2000-R Series is a Microprocessor based Electrical Safety Analyzer Family. There are 5 models that provide everything from the most basic testing functions to the most complete set of features of any handheld unit on the market. The R Series now offers RS232 communication.

The compact size makes the SA-2000 Family easy to hold and operate. All models operate from 85 to 265 Volts @ 50/60 Hz, with Load Currents up to 20 Amps, so there is no need to purchase 2 different analyzers to cover your testing needs. The SA-2010S is the smallest safety analyzer available with a built-in ECG Patient simulator.

The SA-2000 Family of Safety Analyzers allows the user to choose the model that best fits the application. The combination of the best features at the best price makes this Family of products a natural choice.

All models come with a soft case and Chassis (Black) cable. An optional External Point-to-Point (Red) cable or a Kelvin cable is also available.



BC Biomedical SA-2000 Series

SPECIFICATIONS

	SA-2000	SA-2001	SA-2005	SA-2010	SA-2010S
Voltage (input)	85 to 265	85 to 265	85 to 265	85 to 265	85 to 265
Current (Rating)	20	20	20	20	20
Measures:					
Voltage (VAC)	No	85 to 265 (± 3% R)	85 to 265 (± 3% R)	85 to 265 (± 3% R)	85 to 265 (± 3% R)
Current (amps)	No	0 to 19.99 (± 5% R)	0 to 19.99 (± 5% R)	0 to 19.99 (± 5% R)	0 to 19.99 (± 5% R)
Leakage Current (uA)	0 to 1999 DC & 25 to 1 kHz (± 1% R) 1 kHz to 100kHz (± 2.5% R) 100 kHz to 1 mHz (± 5% R)	0 to 1999 DC & 25 to 1 kHz (± 1% R) 1 kHz to 100kHz (± 2.5% R) 100 kHz to 1 mHz (± 5% R)	0 to 1999 DC & 25 to 1 kHz (± 1% R) 1 kHz to 100kHz (± 2.5% R) 100 kHz to 1 mHz (± 5% R)	0 to 1999 DC & 25 to 1 kHz (± 1% R) 1 kHz to 100kHz (± 2.5% R) 100 kHz to 1 mHz (± 5% R)	0 to 1999 DC & 25 to 1 kHz (± 1% R) 1 kHz to 100kHz (± 2.5% R) 100 kHz to 1 mHz (± 5% R)
Resistance (ohms)	10 mA 0 to 1.99 (± 1% R) 2 to 19.99 (± 1% R)	10 mA 0 to 1.99 (± 1% R) 2 to 19.99 (± 1% R)	10 mA 0 to 1.99 (± 1% R) 2 to 19.99 (± 1% R)	10 mA 0 to 1.99 (± 1% R) 2 to 19.99 (± 1% R)	10 mA 0 to 1.99 (± 1% R) 2 to 19.99 (± 1% R)
Patient Leads	0	0	5	10	10
MAP (Isolation)	No	No	Yes	Yes	Yes
Built-in ECG Simulator	No	No	No	No	Yes
AAMI & IEC Loads	AAMI Only	Yes	Yes	Yes	Yes
Point-to-Point	No	Yes	Yes	Yes	Yes
Test Points	No	Yes	Yes	Yes	Yes
Test Capability:					
Open Ground	Yes	Yes	Yes	Yes	Yes
Reverse Polarity	Yes	Yes	Yes	Yes	Yes
Open Neutral	Yes	Yes	Yes	Yes	Yes
Open Line	Yes	Yes	Yes	Yes	Yes
Size	8.7" x 5.5" x 1.6	8.7" x 5.5" x 1.6	8.7" x 5.5" x 1.6	8.7" x 5.5" x 1.6	8.7" x 5.5" x 1.6
Weight	2 lbs	2 lbs	2.5 lbs	2.5 lbs	2.5 lbs



SA2000-R



SA2001-R



SA2005-R



SA2010-R



SA2010S-R