

Features - SA-2000 Series



- ◆ Small Self Contained Package
- ◆ 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
- ◆ Built-In ECG Simulator
- ◆ True RMS Measurements
- ◆ 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
- ◆ Audio Feedback
- ◆ Self-Test Points
- ◆ Externally Replaceable Ground Fuse
- ◆ Automatic Load Reversal Delay
- ◆ Soft Carrying Case

Optional

- ◆ External Point-to-Point (Red) Cable



Metphil Medical Company
3F Insular Life Bldg., Abanao Extension
Baguio City, Philippines
Phone: +63 74 422 5751
Email: sales@metphil.com
Website: www.metphil.com

SAFETY ANALYZERS

BC Biomedical SA-2000 Series



SA-2000

The SA-2000 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 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 is also available.



BC BIOMEDICAL SA-2000 SERIES



SPECIFICATIONS



SA-2000



SA-2001

	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 (µA)	0 to 1999 DC & 25 to 1 kHz (± 1% R) 1 kHz to 100 kHz (± 2.5% R) 100 kHz to 1 mHz (± 5% R)	0 to 1999 DC & 25 to 1 kHz (± 1% R) 1 kHz to 100 kHz (± 2.5% R) 100 kHz to 1 mHz (± 5% R)	0 to 1999 DC & 25 to 1 kHz (± 1% R) 1 kHz to 100 kHz (± 2.5% R) 100 kHz to 1 mHz (± 5% R)	0 to 1999 DC & 25 to 1 kHz (± 1% R) 1 kHz to 100 kHz (± 2.5% R) 100 kHz to 1 mHz (± 5% R)	0 to 1999 DC & 25 to 1 kHz (± 1% R) 1 kHz to 100 kHz (± 2.5% R) 100 kHz to 1 mHz (± 5% R)
Resistance (ohms)	0 to 19.99 (± 1% R) 10 mA	0 to 19.99 (± 1% R) 10 mA	0 to 19.99 (± 1% R) 10 mA	0 to 19.99 (± 1% R) 10 mA	0 to 19.99 (± 1% R) 10 mA

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



SA-2005



SA-2010



Metphil
Medical



Metphil Medical Company
3F Insular Life Bldg., Abanao Extension
Baguio City, Philippines
Phone: +63 74 422 5751
Email: sales@metphil.com

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