

## Description

The SL100A provides the tester with a CSA Z32 compliant load to take into account the frequency-dependent electrical sensitivity of a patient.

This device is used during the “Voltage Difference between Ground Points” and “Test of Impedance to Ground” tests outlined in sections 5.9 and 5.11.2 of the CSA Z32 standard for 120 V systems.

## Information

Product	CSA Z32 Standard Load
Model	SL100A
Dimensions	55 mm x 50 mm x 25 mm
Ratings	250 V (max) operational (CAT I)
Applications	CSA Z32 Applicable Tests: <ul style="list-style-type: none"> <li>• Voltage difference between ground points</li> <li>• Isolated power systems</li> </ul>
Measurement Device	The CSA Z32 standard specifies that the measurement device have an input impedance of at least 150 kΩ (most digital multimeters exceed this specification).
Contents	The SL100A CSA Z32 Standard Load comes complete with: <ul style="list-style-type: none"> <li>• CSA Z32 Standard Load</li> </ul>
Optional Accessories	Accessories Pack (purchased separately): <ul style="list-style-type: none"> <li>• AP100A CSA Z32 Standard Load Accessories Pack</li> </ul>



## Usage

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Two connection points are provided at each end labelled "Meter" and "Probe". The "Meter" is referred to as the "Indicator" within the CSA Z32 Standard. Device may become warm if connected to high voltages for prolonged periods.

Usage guidelines are detailed within the CSA Z32 Standard.

The optional accessories pack provides additional cabling including a probe and ground connection for the probe reference. See Allera Systems product AP100A. Standard 4 mm safety test cables and connectors may be used (supplied with most digital multi-meters) if the optional accessories pack is not purchased.

## Servicing

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Proper operation is verified by measuring  $11\text{ k}\Omega \pm 1\%$  (10.89 k $\Omega$  to 11.11 k $\Omega$ ) between the "Meter" terminals with an ohm-meter with the "Probe" terminals open circuited, and  $10\text{ k}\Omega \pm 1\%$  (9.90 k $\Omega$  to 10.10 k $\Omega$ ) with the "Probe" terminals short circuited (connect lead between the red and green terminals of the "Probe" end).

In the event of a thermal overload, disconnect probe connections and wait five minutes for the thermal reset to take effect. Proper operation may then be verified using the above method.

Do not open – no user serviceable parts inside.

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