

Product (EUT) description:

In the table below the technical information of the product (EUT) is laid down:

Name:	: Isolation Meter
Manufacturer	: Jaspiranda
Brand name	: Jaspiranda
Type or model no.	: Not available
Serial no.	: Unknown
Rated voltage	: 9 Vdc (internal battery)
Rated current /power	: Unknown
Software version	: Unknown
Hardware version	: VC60B+ V0.9 (2011-04-26)
Dimensions	: 0,2 x 0,13 x 0,07
Environmental to be used	: Industrial
Date of examination	: 23 July, 2021
Peripheral equipment	: None
General remarks	: None

General description of the EUT or system:



Photo 1: front view



Photo 2: Battery compartment

Measurements and tests:

Output voltage and current multi meter tested:

Test voltage over 1 MOhm = 524Vdc, current = 0.45 A

Test voltage over 10 MOhm = 509Vdc, current = 0.05 A

Short circuit current = 2.2 mA

Touch current with test circuit A1:

Test voltage over 500 Ohm = 1.09 Vdc, current = 2,18mA

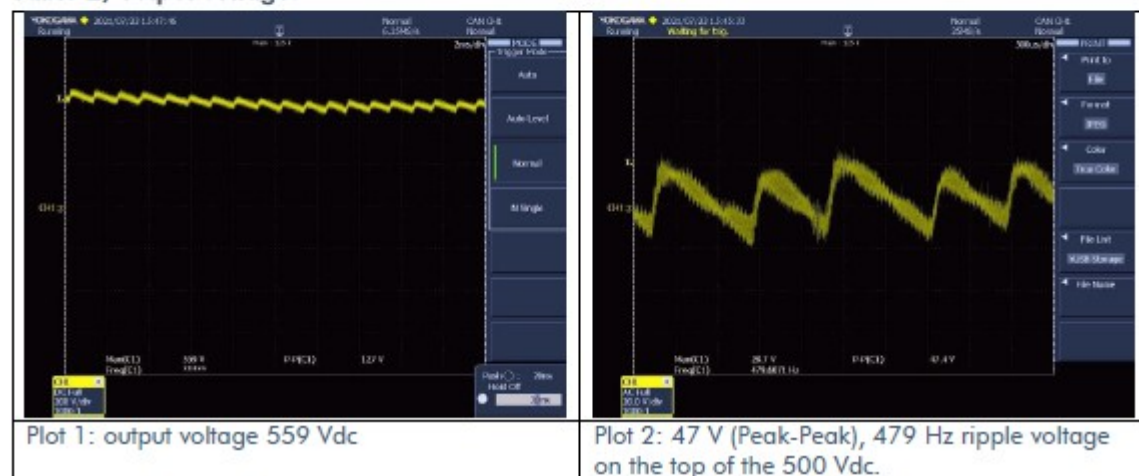
The limit in normal condition 2 mA.

But due to the fact that this is a professional instrument and that clear instructions are given at the user, the test probe is clamped at the terminals of the tested product and the high voltage is only available when the push button is touched, the small 0.18 mA above the limit is disregarded.

Table 1, Single fault conditions

Single fault condition	Possible danger	Solution	Pass /Fail
Shorten the 9 Vdc battery	Over current and possible fire	If only a non-rechargeable battery is used no over current can occur	Pass
Isolation break of the measurement wires.	Possible electrocution of the user.	The high voltage is only available if the push button is touched by the same user. Clear instructions in the manual how to act if the wire insulation is damaged.	Pass

Table 2, output voltage:



Although the examinations and testing have been carried out with the utmost precision and this report has been compiled with the greatest care, no rights can be derived from this report. The customer remains responsible for fulfilling all of the applicable obligations under the relevant European harmonisation legislation providing for a CE mark.

Caninus Consultancy, Isolation Tester