14 Nelson Street, Chatswood, NSW 2067
P O Box 841, Artarmon, NSW 1570, Australia
Telephone 61 (02) 9410 5173
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Item Current Shunt : 100A 100mV
Serial Number 0041239
Plant Number GW9012

Report Number **206153**

Client

Order Number

Attention

Procedure The four terminal resistance was measured in a direct current circuit after the current had been applied for a period of four minutes. The results are given in Table 1.

The ac/dc correction factors for the four terminal resistance measured in an alternating current circuit are given in Table 2.

The ac resistance can be calculated from the formula: $R_{ac} = R_{dc} \times k$

Where R_{ac} is the ac resistance
R_{dc} is the dc resistance given in Table 1
k is the ac/dc correction factor given in Table 2.

Adjustment Nil

Compliance The instrument was found to be within manufacturer's specifications at the points tested.

Calibrated By M. J. Cook **Date** 19 March 2002

Calibration Interval 12 months

Uncertainties The measurement uncertainties at the 95% confidence level using a coverage factor of 2 are:
Resistance dc ±0.01%
Resistance ac ±0.1%

For further information please contact: Mike Cook (02) 9410 5191.

Authorised Signatory **Date Issued**

Checked By Date

Results

Table 1

DC Resistance Voltage

Current (Amperes)	DC Resistance (milliohms)
20	0.999 03
30	0.999 02
50	0.998 99

Table 2

AC/DC Correction Factor

Current (Amperes)	AC/DC Correction Factor at 57 Hz
10	1.000 0
20	1.000 1

Checked By Date