

S/N #IM1021060034

MODE	SET VALUE	DMM READING	ZIM READING	ERROR	PASS
DC Voltage	10.0000 V	10.0080 V	10.0090 V	0.0010 V	OK
	20.0000 V	20.0040 V	20.0041 V	0.0001 V	OK
	50.0000 V	49.9960 V	49.9945 V	-0.0015 V	OK
	100.0000 V	99.9800 V	99.9814 V	0.0014 V	OK

with 100V range (Gain : 0.919499, Offset : 0.085193)

DC Voltage	100.000 V	101.190 V	101.203 V	0.0132 V	OK
	200.000 V	202.030 V	202.030 V	0.0005 V	OK
	500.000 V	504.260 V	504.254 V	-0.0059 V	OK
	1,000.000 V	1,008.070 V	1,008.114 V	0.0444 V	OK

with 1000V range (Gain : 1.001311, Offset : 0.927582)

Temperature	-50.00 'C	-50.00 'C	-49.99 'C	0.01 'C	OK
	0.00 'C	0.00 'C	-0.02 'C	-0.02 'C	OK
	50.00 'C	50.00 'C	49.98 'C	-0.02 'C	OK
	100.00 'C	100.00 'C	100.00 'C	0.00 'C	OK

with PT100 sensor (Gain : 1.000535, Offset : 0.124286)

Frequency	1.0 Hz	1.00027 Hz	1.0 Hz	0.026%	OK
	10.0 Hz	10.00460 Hz	10.0 Hz	0.046%	OK
	100.0 Hz	100.00810 Hz	100.0 Hz	0.008%	OK
	1,000.0 Hz	1,000.02200 Hz	1,000.0 Hz	0.002%	OK
	4,000.0 Hz	4,000.04000 Hz	4,000.0 Hz	0.001%	OK

with 100mohm resistor @ 400mA range

Freq (Hz)	Zreal (Ω)	Zimag (Ω)	Zmod (Ω)	Zphase ($^{\circ}$)	Pass
10	0.00999097	1.80E-05	0.00999098	0.103	OK
1	0.00998631	4.89E-06	0.00998631	0.028	OK
0.1	0.00998202	1.06E-05	0.00998202	0.061	OK

with 10mohm resistor @ 2A range

10	0.0999439	1.77E-05	0.0999439	0.01	OK
1	0.0999567	3.07E-06	0.0999567	0.002	OK
0.1	0.099942	1.45E-05	0.099942	0.008	OK

with 100mohm @ 200mA range

10	0.997964	-7.23E-05	0.997964	-0.004	OK
1	0.997906	-7.74E-05	0.997906	-0.004	OK
0.1	0.997947	5.24E-05	0.997947	0.003	OK

with 1ohm @ 20mA range

10	9.99652	-0.00231129	9.99652	-0.013	OK
1	9.99655	-0.00139399	9.99655	-0.008	OK
0.1	9.99604	0.00135273	9.99604	0.008	OK

with 10ohm @ 2mA range