


Results :JPS0119F rev 1

Procedure JPS0054P	Megger CM500 Electrical Multifunction Tester	Sheet 1 of 2
Serial Number	Customer Reference Number	Certificate Number
Customer	Calibrated By	Date
Ambient Temp 23 +/- 1 C	R.H. 37 +/- 10%	
Reference Equipment Used JPS0217A JPS0092A JPS0005A		

Voltage


Applied Voltage (V)	Frequency		UUT Reading (V)	Specification			Status
	Applied (Hz)	UUT (Hz)		Tolerance (+/-2%+2D)	Min Lim (V)	Max Lim (V)	
230.00	50.03	50.0	230	6.6	223.4	236.6	PASS
400.00	50.03	50.0	398	10	390	410	PASS
230.00	99.99	100	229	6.6	223.4	236.6	PASS
400.00	99.99	100	398	10	390	410	PASS

Continuity

Applied Resistance (Ω)	UUT Reading (Ω)	Specification			Status
		Tolerance (+/-)	Min Lim (Ω)	Max Lim (Ω)	
0.02	0.02	+/-2%+2D	-0.0004	0.0404	PASS
0.2	0.18	+/-2%+2D	0.176	0.224	PASS
1	0.98	+/-2%+2D	0.96	1.04	PASS
20	20.2	+/-2%+2D	19.4	20.6	PASS
100	100	+/-5%+2D	93	107	PASS
1000	1000	+/-5%+2D	948	1052	PASS
Specified Test Current (<2Ω)		>200mA	Measured Test Current @ 1Ω		215.23mA

Insulation Resistance

Applied Resistance (M Ω)	UUT Reading (M Ω)	Test Voltage (V)	Tolerance			Status
			Tolerance (+/-)	Min Lim (Ω)	Max Lim (Ω)	
0.50	0.506	250	+/-2% + 2D	0.488	0.512	PASS
0.50	0.506	500	+/-2% + 2D	0.488	0.512	PASS
0.50	0.505	1000	+/-2% + 2D	0.488	0.512	PASS
5.00	5.01	250	+/-2% + 2D	4.88	5.12	PASS
5.00	5.02	500	+/-2% + 2D	4.88	5.12	PASS
5.00	5.06	1000	+/-2% + 2D	4.88	5.12	PASS
50.00	50.10	250	+/-2% + 2D	48.98	51.02	PASS
50.00	50.00	500	+/-2% + 2D	48.98	51.02	PASS
50.00	49.50	1000	+/-2% + 2D	48.98	51.02	PASS
90.00	90.3	250	+/-2% + 2D	88	92	PASS
100.00	100.0	500	+/-2% + 2D	97.8	102.2	PASS
100.00	99.7	1000	+/-2% + 2D	97.8	102.2	PASS
Measured Voltage at 250V, 500V ,1000V		282.08V	560.28V		1109.76V	

Procedure JPS0054P	Megger CM500 Electrical Multifunction Tester	Sheet 2 of 2
Serial Number 0	Customer Reference Number 0	Certificate Number 0
Customer 0	Calibrated By 0	Date 0-Jan-00
Ambient Temp 23 +/- 1 C	R.H. 37 +/- 10%	
Reference Equipment Used JPS0217A JPS0092A JPS0005A		

Loop Impedance

Applied Resistance (Ω)	UUT Reading (Ω)	Specification			Status
		Tolerance (+/-)	Min Lim (Ω)	Max Lim (Ω)	
0.4900	0.51	5%+/-0.03	0.436	0.545	PASS
0.5470	0.57	5%+/-0.03	0.490	0.604	PASS
1.4922	1.51	5%+/-0.03	1.388	1.597	PASS
10.4931	10.35	5%+/-0.5	9.468	11.518	PASS
100.15	96	5%+/-5	90.143	110.158	PASS
1000.96	1005	5%+/-20	930.912	1071.008	PASS

RCD Timing

Applied Time (ms)	UUT Reading (ms)	Specification			Status
		Tolerance (+/-)	Min Lim (ms)	Max Lim (ms)	
20.0	20.5	1%+1ms	18.800	21.200	PASS
100.0	99.6	1%+1ms	98.000	102.000	PASS
200.0	199.7	1%+1ms	197.000	203.000	PASS

RCD Current

Measured Current (mA)	UUT Setpoint (mA)	Specification			Status
		Tolerance (+/-)	Min Lim (mA)	Max Lim (mA)	
31.15	30	+2 to +8%	30.6	32.4	PASS
102.63	100	+2 to +8%	102	108	PASS
312.00	300	+2 to +8%	306	324	PASS
515.20	500	+2 to +8%	510	540	PASS
1021.80	1000	+2 to +8%	1020	1080	PASS

Comments:

Specifications : as per JPSSL0174 Megger CM500 Datasheet

Ref	Description	Cal Due
JPS0217A	Transmille 3200 Electrical Test Equipment Calibrator	6-Jul-07
JPS0092A	Fluke Multifunction Calibrator	20-Dec-06
JPS0005A	Agilent 6.5 Digit Multimeter	13-Jun-07