


Results :JPS104F rev 1

Procedure JPS0059P	Megger MFT 1502/2 Electrical Multifunction Meter	Sheet 1 of 3
Serial Number	Customer Reference Number	Certificate Number
Customer	Calibrated By	Date
Ambient Temp 23 +/- 1C	R.H. 41 +/- 10%	
Reference Equipment Used JPS0217A		

Voltage Measurement

Applied Voltage (V) @ 50Hz	Measured Voltage (V)	Specification			Result
		Tol (+/-)	Min Lim (V)	Max Lim (V)	
98.8	99	2%+2D	94.824	102.776	PASS
197.5	198	2%+2D	191.55	200.475	PASS
234.0	235	2%+2D	227.32	237.34	PASS
295.4	295	2%+2D	287.492	299.354	PASS
393.7	394	2%+2D	383.826	398.637	PASS


Continuity

Applied Resistance (Ω)	Measured Resistance (Ω)	Specification			Result
		Tol (+/-)	Min Lim (Ω)	Max Lim (Ω)	
0	0	2%+2D	-0.02	0.02	PASS
1	1.02	2%+2D	0.96	1.04	PASS
10	10.1	2%+2D	9.78	10.22	PASS
100	99	5% +2D	94.98	105.02	PASS
1000	993	5% +2D	949.98	1050.02	PASS
Continuity s/c Current (> 200mA)				218.8mA	

Insulation Test Voltage

Voltage Range (V) @ 1mA	Measured Voltage (V)	Measured Current (mA)	Specification			Result
			Tol (+/-)	Min Lim	Max Lim	
250	263.7	1.056	+20%, -0%	250	300	PASS
500	521.4	1.042	+20%, -0%	500	600	PASS
1000	1062.8	1.062	+20%, -0%	1000	1200	PASS

Results :JPS104F rev 1

Procedure JPS0059P	Megger MFT 1502/2 Electrical Multifunction Meter	Sheet 2 of 3
Serial Number 0	Customer Reference Number 0	Certificate Number 0
Customer 0	Calibrated By 0	Date 0-Jan-00
Ambient Temp 23 +/- 1C	R.H. 41 +/- 10%	
Reference Equipment Used JPS0217A		

Insulation Resistance

Applied Resistance (M Ω)	UUT Reading (M Ω)	Test Voltage (V)	Tolerance (+/-)	Min Lim (Ω)	Max Lim (Ω)	Status
10	9.99	250	2%+2D	9.8	10.2	PASS
50	50.1	250	2%+2D	49	51	PASS
110	>99.9	250	n/a	n/a	n/a	PASS
10	9.95	500	2%+ 2D	9.8	10.2	PASS
100	100.0	500	n/a	n/a	n/a	PASS
310	>299	500	n/a	n/a	n/a	PASS
10	9.93	1000	2%+2D	9.8	10.2	PASS
250	250	1000	n/a	n/a	n/a	PASS
510	>499	1000	n/a	n/a	n/a	PASS


Loop Impedance

Applied Resistance (Ω)	UUT Reading (Ω)	Tolerance (+/-)	Min Lim (Ω)	Max Lim (Ω)	Status
1.0422	1.03	5%+0.03	0.96009	1.12431	PASS
5.1347	5.19	5%+0.03	4.847965	5.421435	PASS
10.0431	10	5%+0.5	9.040945	11.045255	PASS
99.7	99.6	5%+5	89.715	109.685	PASS

No Trip Loop Impedance

Applied Resistance (Ω)	UUT Reading (Ω)	Tolerance (+/-)	Min Lim (Ω)	Max Lim (Ω)	Status
1.0422	1.03	5% +0.03	0.96009	1.12431	PASS
5.1347	5.25	5% +0.03	4.847965	5.421435	PASS
10.0431	10.3	5% +0.03	9.040945	11.045255	PASS
99.7	97.2	5% +0.03	89.715	109.685	PASS

Results :JPS104F rev 1

Procedure JPS0059P	Megger MFT 1502/2 Electrical Multifunction Meter	Sheet 3 of 3
Serial Number 0	Customer Reference Number 0	Certificate Number 0
Customer 0	Calibrated By 0	Date 0-Jan-00
Ambient Temp 23 +/- 1C	R.H. 41 +/- 10%	
Reference Equipment Used JPS0217A		

RCD Timing

Applied Time (ms)	UUT Reading (ms)	Tolerance (+/-)	Min Lim (ms)	Max Lim (ms)	Status
20.0	19.9	1%+1ms	18.8	21.2	PASS
100.0	99.8	1%+1ms	98	102	PASS
200.0	200	1%+1ms	197	203	PASS

RCD Current

UUT Setpoint (mA)	Measured Current (mA)	Tolerance (+/-)	Min Lim (mA)	Max Lim (mA)	Status
10	10.86	+2% to +8%	10.2	10.8	PASS
30.00	31.49	+2% to +8%	30.6	32.4	PASS
100.00	107.51	+2% to +8%	102	108	PASS
300.00	317.60	+2% to +8%	306	324	PASS
500.00	526.50	+2% to +8%	510	540	PASS
1000.00	1036.8	+2% to +8%	1020	1080	PASS

Comments

Specifications: As per MFT 1500 Series DS en V05 Datasheet Ref JPSSL0166

Ref	Description	Cal Due
JPS0217A	Transmille 3200 Electrical Multifunction Calibrator	6-Jul-07