KEWTECH

FC1000 : Specification

Instrument to check	Instrument Range	FC100 Range	Expected Reading	FC1000 Specification	Notes
Loop Tester	20Ω	P-E +0.5Ω	Local Loop'Ω Local Loop + 0.5 Ω	Ω ± 5%	Use FC1000 230V socket outlet
RCD Tester	Ω x 30mA 30mA 5 x 30mA	15mA / 50mA 30mA / 50mS 30mA / 50mS 15mA / 40mS	Trip 60ma No trip Trip 50ms Trip 40ms	Trips at nominal mA- 5% / -10% Trip ms ± ms	Use FC1000 230V socket outlet. FC1000 auto-resets after tripping. Over 1 indicator will light if instruments current is 50% above nominal.
Insulation Tester	200MΩ / 1000V 20MΩ / 500V 2MΩ / 250V	99MΩ 9.9MΩ 1.9MΩ	99MΩ, 1000V 9.9MΩ, 500V 1.9MΩ, 250V	Ω ± 1% Volts indicator lights At nominal volts – 20%	Use FC1000 'Insultation' sockets, max peak input volts 1500V
Continuity Tester	200 Ω 20 Ω 2 Ω	99MΩ 9.9MΩ 1.9Ω	99Ω 9.9Ω 1.9Ω	Ω ± 1% + 20MΩ	Use FC1000 'Continuity' sockets, max input 10V / 100mA. Use 'Null' sockets for leads null.
DMM	600V AC 20mA AC Hz 200V DC 20mA DC		AC volts is local mains. AC current and DC values will vary with mains volts. 220V 230V 240V 250V 10.0mA 10.5mA 10.9mA 11.4mA 50Hz 50Hz 50Hz 50Hz 105V 110V 115V 120V 8.1mA 8.5mA 8.8mA 9.2mA	FC1000 output Impedance is 22kΩ For AC output and 13KΩ for DC output	Use FC1000 'DMM' sockets. Upper socket and common give AC volts and frequency. Connect these sockets to the DMM current terminals for AC current. Use Lower socket and common for DC volts and current.

Warnings: Use only mains cord provided and connect to a mains outlet that is not protected by an Earth Leakage Circuit Breaker. On connection of mains, indicators will flash if P-N reversed: DO NOT USE FC1000.
Use only leads with shrouded 4mm plugs to connect instruments.
No user serviceable parts inside. Refer to authorised personnel.