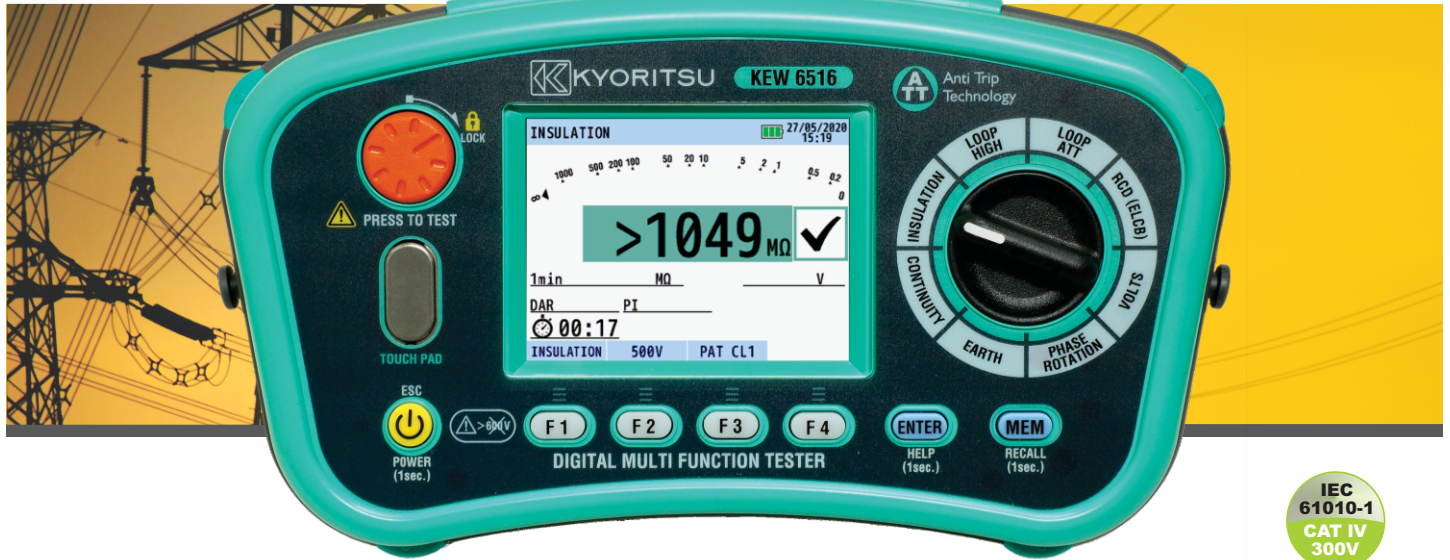


Multifunction Installation Tester

K6516BT
K6516



Technical Datasheet



The K6516 and K6516BT are advanced multifunction testers performing 12 separate test functions which are required for SANS 0142 and IEC 61557-10. The multifunction's include Insulation with PI and DAR, continuity, earth loop impedance, RCD testing, prospective short circuit, prospective fault current, earth resistance, AC Voltage, frequency, phase rotation, SPD (varistor) and PAT (portable appliance testing). The meters can store a maximum of 1000 measured results and the K6516 downloaded via a K8212-USB adaptor (optional accessory for K6516BT) and the K6516BT can transfer data to a tablet or smartphone via Bluetooth using Kew smart* in google play or iOS App store. The K6516's is software driven and guides the user through the colour graphic display, making the meter very user friendly. The K6516's come supplied with a remote test lead for hands free testing. The ATT (anti trip technology) with 2 and 3 wire for no trip Loop L-PE on all RCD's. With 2 wire only can test with no neutral (eg 3-phase motors)

Features:

- Insulation 4 ranges 100/250/500/1000V, automatic discharge of capacitance, Polarization Index (PI) and Dielectric Absorption ratio (DAR)
- Loop Impedance High Test current range of 2Ω with 0,001Ω resolution
- RCD Type AC, A, F, B (general & selective) EV (electric vehicle) and variable RCD's, single and auto test, ramp test and contact voltage
- Earth Resistance test 2 & 3 wires with all accessories
- ACV TRMS Voltage measurements 2-600V, mains frequency
- Continuity test at 200mA or 15mA with selectable buzzer for fast judgment
- Phase rotation on 3-phase lines with clear indication of the sequence on the display
- SPD (Varistor) Surge protection device test, for SPD that uses varistor
- Pat Portable appliance tester function for insulation and continuity

General Specifications

Functions	Range	Accuracy
Insulation Test Range	100/250/500/100V	
Measuring Range	2.000 - 2000MΩ	
Rated Current	1.0 - 1.2mA	±(2.0% +6)
Loop Impedance 3 Wire 2 Wire Range	100 - 260V (50/60Hz) 48 - 260V(50/60Hz) 20.00/200.0/2000Ω	±(3.0% +6)
PSC/PFC	2000A/20kA	Derived from loop & voltage measurement
RCD Rated Voltage	100 - 260V 50/60Hz	
Function	x1/2, x1, x5, Ramp, Auto, Uc 10/30/100/300/500/1000mA	±(2.0% +8)
Time Trip	x1/2	
Continuity	20.00/200.0/2000Ω	
Open Circuit Voltage	7 - 14V DC	
Measuring Current	>200mA	±(2.0% +8)
Voltage	2.0 - 600V AC auto ranging	±(2.0% +4)
Frequency	45 - 65Hz	±(0.5% +2)
Phase Rotation	48 - 600V 50/60Hz	
Earth Resistance	20.00/200.0/2000Ω auto ranging	±(2.0% +0.08)
CAT Rating	IEC610101-1 CAT IV 300V	
Applicable Standards	IEC61010-2-034 IEC61557-1,2,3,4,5,6,7,10	
Communication Interface	K8212-USB (optional K6515BT) Bluetooth 5.0 (K6515BT) Android <5.0 iOS <10.0	
Batteries	LR6 x 8	
Dimensions	136 x 235 x 114mm	
Weight	1300g	

Contact Us

Branches: Johannesburg | Cape Town | Durban | Port Elizabeth | Bloemfontein
011 872 5500 | 021 556 3091 | 031 569 1024 | 041 452 1172 | 051 430 4958
email: sales@major-tech.com | www.major-tech.com

