

Multi Function Testers

MODEL 6020/6030

- Water resistant (IEC60529 IP57)
- Test leads are stored in a cord reel module
- Easy-to-read large digital display
- The instrument automatically turns itself off in about 30 minutes to conserve battery life, if no push buttons are pressed.
- Illumination on test probes for work at night or in dimly lit locations
- Display back-light to improve legibility in poor lighting conditions
- Autoranging; three ranges for insulation resistance, two ranges for earth resistance and two AC voltage ranges
- The instrument and all accessories in one carrying case
- AC voltage range;
 - True RMS sensing permits accurate measurement of voltage with distortion and harmonics generated by equipment using SCRs or TRIACs.
- Insulation resistance range;
 - Three test voltages; Model 6020 (125V, 250V, 1000V)
 - Three test voltages; Model 6030 (250V, 500V, 1000V)
 - 1mA test current at the minimum load.
 - Automatically releases electric charges stored in the circuit under test.
 - Remaining charges can be observed on AC voltage range
 - Remote control switch on a test probe
- Earth resistance range;
 - Checks resistance of auxiliary earth bars
 - Can make both simplified and normal measurement
- Phase test;
 - LEDs indicate whether phase sequence is correct or reversed as well as open phase, if any.
 - Rated voltage from 100V to 600V AC



	6020	6030	6020/30
Insulation Test Specifications			
Test Voltage	125V/250V	250V/500V	1000V
Measuring Ranges (MΩ)	0 ~1.999MΩ 1.00 ~19.99MΩ 10.0 ~199.9MΩ (3 auto ranges)		0 ~19.99MΩ 10.0 ~199.9MΩ 100 ~1999MΩ
Accuracy	±2%rdg ±3dgt, ±10%rdg (on 1000~2000MΩ)		
Open Circuit Voltage	+20% -0% of Rated Test Voltage		
Rated Test current	1mA DC +20%-0%		
Short Circuit current	1.3mA DC approx.		
Effect of AC Component of Terminal Voltage	Within ±10% of reading when 5μF capacitor is connected in parallel on insulation test		
Overload Protection	1200V (DC + ACp-p) for 10 seconds		
Earth Resistance Test Specifications			
Measuring Ranges(Ω)	0 ~199.9Ω 100 ~1999Ω (2 auto ranges)		
Accuracy	±2%rdg ±3dgt (at 500Ω auxiliary earth resistance)		
Measuring Method	By constant current inverter 820Hz approx. 2mA approx.		
Overload Protection	200V AC for 10 seconds between measuring terminals		
Voltage Test Specifications			
Measuring Ranges (V)	0 ~ 199.9/100 ~ 600V (2 auto ranges)		
Accuracy	±1%rdg ±4dgt		
Sensing	True RMS		
Input Impedance	2MΩ		
Overload Protection	900V AC for 1 minute		
Phase Check Specifications			
Measuring Range	100 ~ 600V (50Hz/60Hz) (for checking correct or reverse phase and open phase)		
General			
Display	3 1/2(1999)digit large LCD		
Response Time	Approx. 4 seconds for AC voltage and earth resistance tests Approx. 5 seconds for insulation resistance tests.		
Withstand Voltage	5550V AC for one minute		
Effect of Drop	No electrical and mechanical damage shall occur when the unit is dropped from a height of 1 m onto the concrete floor.		
Effect of Temperature	Readings shall not differ greater than specified below when taken at a reference temperature of 23°C and varied temperature of 0°C and 40°C. AC Voltage 3% ±2 dgt insulation resistance and earth resistance 5% ±2 dgt		
Operating Temperature Range	0-40°C		

Dimensions	130 × 238 × 207mm (main body plus cord reel module) 105 × 238 × 207mm (main body only)
Weight	Approx. 1.6kg (main body only) Approx. 750g (cord reel module only)
Power Supply	1.5V LR6 alkaline battery or equivalent × 8 (for main body only) 1.5V LR6 alkaline battery or equivalent × 1 (probe only)
Safety Standard	IEC 61010-1 CAT.III 600V Pollution Degree 2
Accessories	7092 (Cord Reel) 8082 (Extension Probe) 7089 (Test Lead (large)) 7090 (Test Lead (small)) 7088 (Test Lead for Phase Check) 7091 (Test Lead) × 1 set (red-20m, yellow-10m, green-5m) 8083 (Auxiliary Earth Spikes) × 1 set 9081 (Carrying Case) LR6 × 9, Instruction Manual, Shoulder strap, Shoulder Pad, Set of "0" rings
Optional	2417 (Water Proof Leakage Clamp Meter) 7093 (Cord for Extension Probe) 9080 (Aluminum Carrying Case)

*A full set (deluxe version complete with aluminum carrying case and leakage clamp meter) is available as Model 6020T or 6030T.