

Digital Earth Resistance Tester

Direct earth resistance to 2000Ω



Technical Datasheet

K4105

The K4105 is a digital ultra-compact earth resistance tester housed in a shock resistant IP54 rated dust and drip proof case. The K4105 has a large, easy to read 3½ digit LCD display and is supplied with a carrying case containing all the equipment needed to perform measurements. There is an automatic warning when resistance of auxiliary earth spikes is in excess of tolerance. 2mA Measuring current permits earth resistance tests without tripping the earth leakage current breakers in the circuit under test.



Features

- Direct earth resistance to 2000Ω
- Measures earth voltage to 200V
- Indicates if resistance of auxiliary spikes is within tolerance
- 3½ Digit LCD display / IP54 protection
- 3mA Measuring current / Overload protection
- Low power consumption for extended battery life
- Direct readout of the earth resistance on the LCD display

Specifications

Measuring Range and Accuracy (at 23±5°C and RH 75% or less)

FUNCTION	RANGE
Measurement ranges	Earth resistance 0 ~ 20Ω / 0 ~ 200Ω / 0 ~ 2000Ω Earth voltage [50, 60Hz] : 0 ~ 200V AC
Accuracy	Earth resistance : ±2%rdg ±0.1(20Ω range) ±2%rdg ±3%rdg (200Ω/2000Ω range) Earth voltage : ±1%rdg ±4dgt
Overload Protection	Earth resistance : 280V AC for 10 seconds across 2 of the 3 terminals Earth voltage : 300V AC for 1 minute
Applicable Standards	IEC 61010-1 CAT.III 300V Pollution degree 2 IEC 61557-1,5 IEC 61010-031 IEC 60529(IP54)
Power source	R6P(AA)(1.5V) × 6
Dimensions	105(L) × 158(W) × 70(D)mm
Weight	550g approx.



IP 54 Dust and drip proof



Direct Earth Resistance 2000Ω



3½ Digit LCD display



Measures Earth voltage to 200V

Standard Accessories

K705A (Earth resistance test leads), 1 x set (red-20m, yellow-10m, green-5m), K8032 (Auxiliary earth spikes) (2 spikes/set) x 1 set K7127A (Simplified measurement probe) x 1 set R6P(AA) x 6 K9121 Shoulder Strap, Instruction Manual, Carrying Case Soft K9084, Carrying Case Hard K9165

Ordering Information

Branches: Johannesburg | Cape Town | Durban | Port Elizabeth | Bloemfontein
011 872 5500 | 021 556 3091 | 031 569 1024 | 041 452 1172 | 051 430 4958
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