

EARTH TESTERS

MODEL 4102A



CE

MODEL 4105A



CE

Features (4102A/4105A)

- In addition to the facility for precision measurement, test leads for simplified two wire measuring system also supplied as standard accessories.
(unit can be hung from the neck for simplified measurement)
- The latest circuit design permits the instrument to operate with the minimum of influence from earth voltage and earth resistance of auxiliary earth spikes.
- Dust and drip proof. (designed to IEC 529 IP54)
- Earth resistance value can be read directly from the scale.
- Designed to meet IEC61010-1 safety standard.
- Capable of measuring earth voltage.
- Small and lightweight. Shock resistant new case material.
- 2mA measuring current permits earth resistance tests without tripping earth leakage current breakers in the circuit under test.
- Lead wire connection to C and P terminals and proper auxiliary earth resistance can be checked by "OK" lamp. Lead wire connection to C and E terminals is good when "OK" lamp is illuminated. (4102A)

	4102A/4102A-H
Measurement ranges	Earth resistance : 0~12Ω /0~120Ω /0~1200Ω Earth voltage[50,60Hz] : 0~30V AC
Accuracy	Earth resistance: ±3% of full scale Earth voltage: ±3% of full scale
Overload protection	Earth resistance : 276V AC for 10 seconds across 2 of the 3 terminals Earth voltage : 276V 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	600g approx.
Accessories	7095A(Earth resistance test leads) × 1set(red-20m, yellow-10m, green-5m) 8032(Auxiliary earth spikes[2 spikes/set]) × 1set 7127A(Simplified measurement probe) × 1set R6P(AA) × 6, 9121(Shoulder strap), Instruction manual Carrying case : 9084(Carrying case[Soft]) : 9164(Carrying case[Hard])
Optional	7100A(Precision measurement cord set)

MODEL 4102A Soft case model
MODEL 4102A-H Hard case model

	4105A/4105A-H
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±3dgt(200/2000Ω 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.
Accessories	7095A(Earth resistance test leads) × 1set(red-20m, yellow-10m, green-5m) 8032(Auxiliary earth spikes[2 spikes/set]) × 1set 7127A(Simplified measurement probe) × 1set R6P(AA) × 6, 9121(Shoulder strap), Instruction manual Carrying case : 9084(Carrying case[Soft]) : 9165(Carrying case[Hard])
Optional	7100A(Precision measurement cord set)

MODEL 4105A Soft case model
MODEL 4105A-H Hard case model



Soft case model

Hard case model

Optional Accessories

MODEL 7100A <p>Precision measurement cord set (7095A, 8032, 8200-03, 9091)</p>	<p>MODEL 7095A Test leads for earth resistance</p>	<p>MODEL 8032 Auxiliary earth spikes [2 spikes/1set]</p>	<p>MODEL 8200-03 Cord reels[3 pcs]</p>	<p>MODEL 9091 Carrying case for cord reels</p>
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