

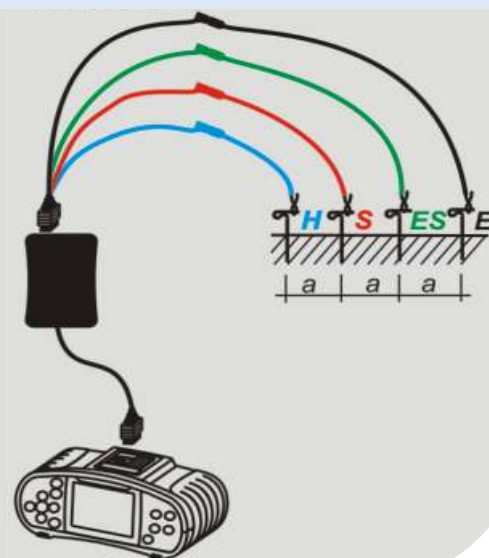
ρ-Adapter A1199



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Simple four wire measurement of specific earth resistance with attached instruments EurotestAT or EurotestXA



ρ-Adapter is an optional adapter intended to perform soil resistivity measurement with EurotestAT or EurotestXA instruments. Adapter consists of the following parts:

- Connector plate
- 4-wire measuring transducer
- Interface cable for connection to measuring connector of test equipment

ρ-Adapter standard set is design to be used together with instruments EurotestAT MI3101 or EurotestXA MI3105 and the set of extension leads from 3-wire Earth sets. The fourth wire is added to **ρ-Adapter** standard set.

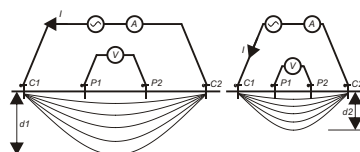
Using Earth 20 m set S2026 covers measurements up to 8 m (d2) while Earth 50 m set S2027 covers measurements all up to 18 m (d1) depth.

Type of ground material

sea water
lake or river water
ploughed earth
concrete
wet gravel
fine dry sand
lime
dry gravel
stony ground

Specific Earth Resistance in m

0,5
10 100
90 150
150 500
200 400
500
500 1000
1000 2000
100 3000



Technical specification

Accuracy of the specific earth resistance result depends on measured resistance R_e and is as follows:

Measuring range W

1.0
2.0
>20k

Accuracy

19995 % of measured
2000 19.99k10 % of measured
20 % of measured

General data

Power supply voltage: 6 VDC (4 x 1.5 V alkaline or 4 x 1.2 V NiMH battery cells, size AA)
Operation: typical 10 h
Protection classification: double insulation
Overvoltage category: 50 V CAT I
Pollution degree: 2
Protection degree: IP 40
Maximum voltage: 25 V, between any two test leads
Dimensions (w l h): 100 mm 200 mm 50 mm
Weight: 0.39 kg
Operation conditions:
Working temperature range: 0 C 40 C
Maximum relative humidity: 95 %RH (0 C 40 C), non-condensing
Storage conditions:
Temperature range: -10 C +70 C
Maximum relative humidity: 90 %RH (-10 C +40 C)
80 %RH (40 C 60 C)

Standards applied:

EN 61010-1 Safety requirements for electrical equipment for measurement, control, and laboratory use Part 1: General requirements

EN 61326 Electrical equipment for measurement, control and laboratory use EMC requirements. Class B (Hand held equipment used in controlled EM environments)

Standard set:

- Ro-adapter in Instalcheck case
- Carrying bag
- 2 earth spikes
- Extension cable red 15 m
- Cable for connection to Eurotest
- Cable for connection to current spikes
- User manual

