

The meter is designed for measurements at interference voltages which do not exceed 24 V for $R_{E}$ measurements and 3 V for $\mathrm{R}_{\text {cont }}$ measurements. The voltage is measured up to 100 V , but above 40 V is indicated as dangerous. The meter must not be connected to voltages exceeding 100 V .

$\mathrm{U}_{\mathrm{N}}>24 \mathrm{~V}$ ! 24 V but is lower than
$U_{N}>40 \mathrm{~V}$ and a contin measurement point -uous exceeds 40 V The mea sonic signal surement is blocked.

Straps loops
$R>19,99 \mathrm{k} \Omega$ $\mathrm{R}_{\mathrm{E}}>19,99 \mathrm{k} \Omega$ $\mathrm{R}_{\mathrm{s}}>19,9 \mathrm{k} \Omega$ $\mathrm{R}_{\mathrm{H}}>19,9 \mathrm{k} \Omega$ $\rho>999 k \Omega m$

The value of the interfering signal is too high. The result may be distorted by additional uncertainty.

Measurement range exceeded.
The voltage on the mea-
surement points exceeds 40 V . The measurement is blocked.
The voltage on the mea-

First steps

(2) Select the method and connect

(3) Configure


## Measurements



Connect the meter to the measured wire.

$\int^{\text {swwr }}$ Run the measurement using START button.


In order to eliminate the influence of the resistance of the test leads over the result of the measurement, its compensation (auto-zeroing) has to be done.

## Enabling auto-zeroing



Using button F1 enable AUTOZERO mode. Short-circuit the test leads.


Disabling auto-zeroing


Using button F1 enable AUTOZERO mode. Separate the test leads.


Press START.

It is sufficient to realize compensation once for the given test leads. It is also remembered once the meter has been turned off, until the next successful auto-reset procedure.


Connect the meter to the measured object using clamp.


Using START button run the measurement.

(ล) Earth resistivity measurement
Connect the meter to the measured earth.


Earth resistivity

## 

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Press START
Using buttons $\boldsymbol{\Delta} \mathbf{~ e n t e r ~ t h e ~ d i s t a n c e ~ b e t w e e n ~ e l e c t r o d e s . ~}$
Using button ENTER run the measurement.


Saving a result to the memory

(1) After the measurement press ENTER.

Select memory cell using buttons $\mathbf{\Delta \nabla}$ Velect memory bank using buttons


Memory write
Meas. 5/99 Bank 2/10
Earth resistance 4 p

Target cell empty
$R_{E}=2,974 \Omega$
Target cell occupied
Press ENTER to save the result.

## Sonel



Find more information in the user manual and on our website www.sonel.com

