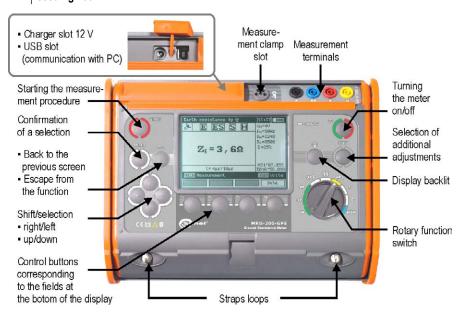




The meter is designed for measurements at interference voltages which do not exceed 24 V for $\rm R_{\rm E}$ measurements and 3 V for $\rm R_{\rm CONT}$ measurements. The voltage is measured up to 100 V, but above 40 V is indicated as dangerous. The meter must not be connected to voltages exceeding 100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



U,,>24V!

The voltage on the measurement points exceeds 24 V but is lower than 40 V. The measurement is blocked.

U,>40V! and a continuous sonic signal

The voltage on the measurement points exceeds 40 V. The measurement is blocked.

NOISE!

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

R>19,99kΩ R_F>19,99kΩ R_s>19,9kΩ R_H>19,9kΩ ρ>999kΩm

Measurement range exceeded.

LIMIT!

I,>max

The uncertainty of the

electrode resistance

>30%. Uncertainties

the measured values.

Excessive interfering

error may exceed the

basic error.

calculated on the basis of

current, the measurement

First steps

Turn on the meter



(2) Select the method and connect



Configure

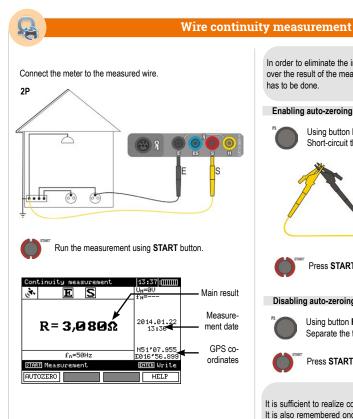


Obtain the result



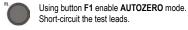


Measurements



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

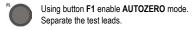
Enabling auto-zeroing





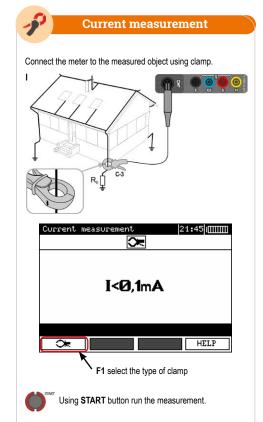


Disabling auto-zeroing



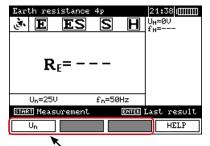


It is sufficient to realize compensation once for the given test leads. It is also remembered once the meter has been turned off, until the next successful auto-reset procedure.



Earth resistance measurement R. 3P 3P₁ 22 4P ₹

Configuration and R, measurement



Enter settings

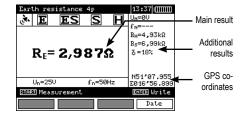
- F1 voltage/pulse shape
- F2 selection of C-3/ERP-1 (3P+clamp method)
- F3 selection of the number of pole legs (ERP-1)



Using button START run the measurement.



Using button F4 display coordinates of the measured point.



.voltage on the measurement points

interference frequency.

interfering current

resistance of current electrode..

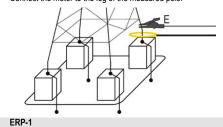
resistance of voltage electrode.

.additional uncertainty caused by the resistance of the electrodes

R₄...R₄...earth resistance of the pole leg no. 1...4

Measurement of R_v of poles using ERP-1 adapter

Connect the meter to the leg of the measured pole.





Using FLEX button select the type of flexible clamps

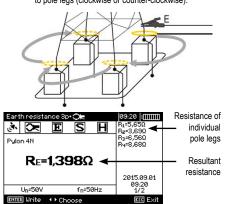
connected to the device.

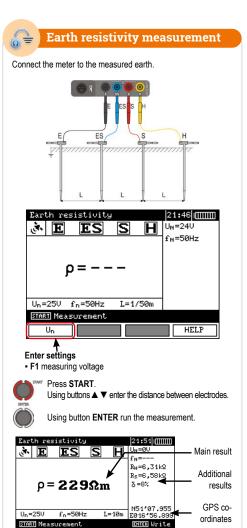
Using TURNS button select the number of flexible clamp wraps around the pole leg.

MRU-200 / MRU-200-GPS

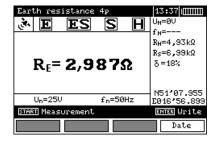
Press F2 and select ERP-1 adapter.

Using START button run the measurement. Wrap the clamps around next legs according to instructions on the display. Keep one direction of connecting to pole legs (clockwise or counter-clockwise).











After the measurement press ENTER.



Select memory cell using buttons $\blacktriangle \ lacktriangledown$. Select memory bank using buttons ◀▶



Target cell empty



Press ENTER to save the result.





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

Bank 2/10

Target cell occupied