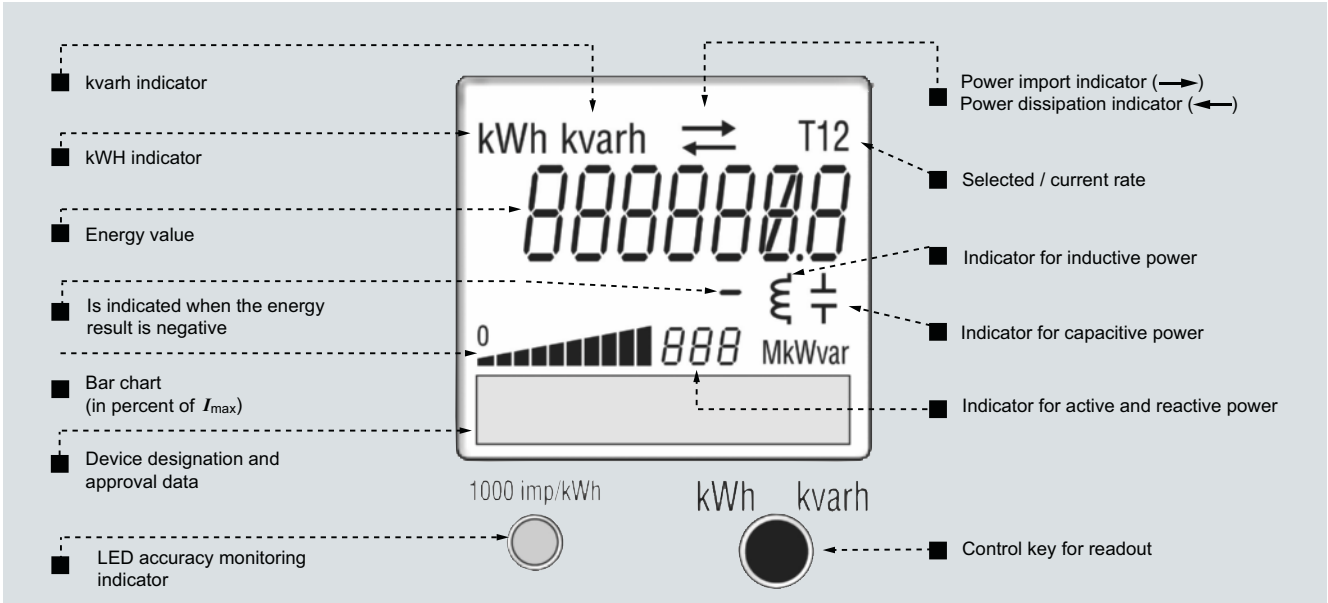
More information

Digital 7KT1 53. E-counter, illustration of display

- Green, backlit LCD
- The control button is used to select the different display levels.



Operation

The large number of measured quantities makes it necessary to present the data in 2 display levels:

A) Default
B) E-counter states

7KT1 14, 7KT1 53 E-counters

A) Default display level

- The default display level shows the sum of the active and reactive energy:
  - Sum of active energy (E1-E2 for 7KT1 530 and E1-E2+E5-E6 for 7KT1 531, 7KT1 533)
  - Sum of reactive energy (E3-E4 for 7KT1 530 and E3-E4+E7-E8 for 7KT1 531, 7KT1 533)
  - Software version
  - Checksum
- The various measured quantities can be called up with a brief press of the control button.
- A 3-digit display indicates the instantaneous power. A bar display indicates the instantaneous current in steps of 10 % in relation to the maximum load rating (I_{max}) . The bar display is updated every 1 second.
- Note:
  In this display level the symbol indicator (import/export) refers to the current power and not to the energy consumption value.

B) E-counter states display level

- This display level presents the energy values E1 to E8.
- To switch to this display level, press and hold the control button until the red LED lights up (approx. 4s). The power indicators disappear and the display shows the energy values E1-E8.
- A brief press of the control button enables the loop display of these measured quantities.
- To return to the default display level, press and hold the control button for 4 seconds.
- The display lighting is switched off automatically after 40 s of inactivity.

Display test control button

If the control button is pressed and held for longer than 10 s, a display test will be activated.

This test takes 30 s to complete. The DEFAULT display level then appears.

Resetting of all energy registers (except for 7KT1 533)

If the control button is pressed and held for longer than 20 s, the word "rESEt" will appear.

After the control button is pressed again for at least another 4 seconds, all the energy registers are set to ZERO.