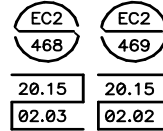
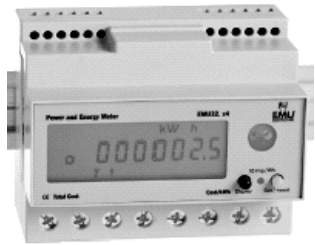


Three-Phase Energy and Power Meter

Direct-connected Meter 5(63)A / CT-connected Meter 5A
with sealed yellow Set/Reset Button



Operation Instructions EMU32.x4



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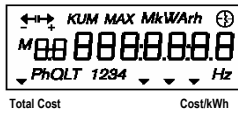


Fig.: 1
Test display
This appears for about 4 sec. upon switching-on of meter.

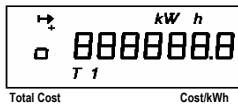


Fig.: 2.1 / 3.1
Running Active Energy T1 / T2 (kWh)
000000.0 - 999999.9 kWh
Overflow: 999999.9 - 000000.0 kWh

Tariff 1 is active when the control input is free of voltage. The active Tariff 1 or 2 is marked "o" on the display.
Important: For change of data display the black Display Button must be pressed for a moment. When being pressed longer (> 3 sec.) the entry mode appears in some display positions (Customer-specific entry).

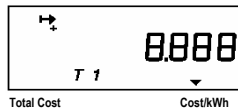


Fig.: 2.2 / 3.2
Cost per kWh T1 / T2 (Cost/kWh)
0.000 - 999.999 Cost/kWh
Customer-specific entry is possible.

If the Display Button is pressed for 3 sec. you are in the entry mode (Cost/kWh) and the first position is intermitting. The same Button now allows to adjust the first position. To advance a position press again the Display button for 3 sec. and then adjust the intermitting second position to the value desired. This is the system to enter the costs per kWh. If you have reached the last position, please store the value set by pressing the black Display Button again for 3 sec.

Tariff Change-over: If the tariff control voltage is present at terminals 1 and 3, tariff T2 is active.



Fig.: 2.3 / 3.3
Total Cost T1 / T2 (Total Cost)
0.00 - 99999.99 Total Cost
Overflow: Stop at 99999.99 Total Cost

By prolonged pressing of the black Display Button, the accumulated costs, T1 or T2, are reset zu zero.

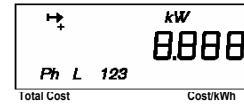


Fig.: 4.1
Instantaneous Total Active Power, L1, L2, L3 (kW)
0.000 - 1000.000 kW CT-connected meter 5A
0.000 - 51.000 kW Direct-connected meter 5(63)A

If the black Display Button is pressed for more than 1 sec., the display shows the instant. Active Power per phase of L1, L2 und L3.

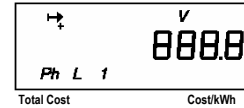


Fig.: 5.1
Instantaneous Voltage L1, L2, L3 (V)
0.0 - 264.0 V

If the black Display Button is pressed for more than 1 sec., the display shows the instant. Voltage of L2 and L3.

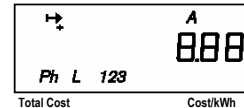


Fig. 6.1
Instantaneous Total Current Consumption, L1, L2, L3 (A)
0.00 - 4600.00 A CT-connected meter 5A
0.00 - 189.00 kW Direct-connected meter 5(63)A

If the black Display Button is pressed for more than 1 sec., the display shows the instant. Current consumption per phase L1, L2, L3.

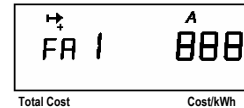


Fig.: 7
CT-conn. Meters 5A: CT (Current Transformer) Factor "FA I"
Example: CT's 100/5A -> CT factor "FA I" 20 (CT primary rating divided by secondary rating)
001 - 255 (range) Customer-specific entry possible

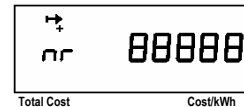


Fig.: 8
Instrument (Meter) Number
00000 - FFFFFF
Customer-specific entry possible

Entry of the Current Transformer Factor "FAI": If the Set/Reset Button is pressed for 3 sec., the entry mode is reached. The entry for the current transformer (CT) factor "FA I" recognises the figures 0 - 9. If you are in the entry mode, the first display position is intermitting. By means of the black Display Button the first position can now be adjusted. To advance a position please press the yellow Set/Reset Button and adjust again the display position by means of the black Display Button.

Entry of the INSTRUMENT Number "nr": The entry recognises the figures 0 bis 9 and the characters A to F. The entry steps are the same as for the entry of the costs per kWh.

Fig.: 9 Check sum, software version viz. SO 46:8b

Fig.: 10 The last display is the Test Display according to fig. 1

Tariff Change-over: If the terminals 1 and 3 are under a voltage of 230V, tariff 2 is on.

Caution: Current Transformer may never be operated with open secondary circuits. Dangerous high voltages may result which may lead to the destruction of the transformer, or to severe injuries or fatal accidents.

