

Single Phase Meter (CL710K16)

CL710K16 is a multi-function single-phase smart meter with embedded communication. The meter is used to measure electrical energy accurately for commercial and residential customers. CL710K16 can be used for prepayment (STS compliant). The communication with an optional external keypad (user interface unit UIU) can be done via power-line carrier (PLC), radio frequency (RF) or by cable connection.

Functions

- Active energy measurement
- Import- and export measurement
- Real time clock
- Multi tariff (TOU, TOD, Step tariff)
- Load control
- Maximum demand measurement (optional)
- Replaceable battery
- Pre/Postpaid mode switchable
- Alarm notification
- UIU by RF/cable (optional)
- STS keypad
- Sealing
- Terminal cover open detection
- Face cover open detection
- Reverse current detection
- Neutral current comparison
- Magnetic tamper (optional)
- Event logging
- Disconnect on tamper (external contactor)

Technical Parameters

Nominal voltage (Un)	110 V, 120 V, 220 V, 230 V, 240 V
Voltage range for operation	0.7 Un to 1.3 Un
Nominal frequency	50 Hz, 60 Hz
Current	5 (40) A, 5 (60) A, 5 (80) A
Display	LCD
Operating temperature	-25 °C to +70 °C
Humidity	< 95 %
Accuracy class	Active energy class 1
Ingress protection	IP54
Communication	Infrared port, RS-485, optional virtual token carrier, optional exchangeable modules for RF, PLC and 2G/3G/4G
Dimensions	163 mm x 130 mm x 56 mm
Connection type	BS (LNNL)

IEC 62053-21
SICEM type test certified
STS certified
DLMS compliant

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