

**SAGEMCOM**

**CX 1000-6**

**NEW GENERATION SINGLE-PHASE  
PLC SMART METER  
FOR DOMESTIC APPLICATION**



- Tariff management
- Programmable load profile
- Load management via built-in relay
- Disconnection through latching relay
- Local and remote Reading & programming
- Enhanced anti-tampering system
- Multi-communication plateforme
- Open communication protocol
- Remote software upgrade

### A combined expertise in metering, telecommunications and system integration

Sagemcom developed solid leadership positions in broadband communication & convergence, energy management and telecom systems integration, all 3 key factors to address new challenges in the energy sector.

Thanks to this unique expertise, Sagemcom has created a comprehensive offer focused on energy efficiency and its ecosystem.

### Moreover, by choosing Sagemcom you benefit from :

A world class manufacturer who controls its own production capacity.

A flexible industrial site dedicated to mass production.

A technology validated and approved worldwide.

A top of the range technical support.

The highest standards of quality.

## TECHNICAL FEATURES

### CURRENT

- Current Range = 0.25 - 5 (100) A
- Starting current = 25 mA
- Self-consumption:
  - Voltage < 2W and 10VA (without communication)
  - Current < 0,025 VA to Ib=5A
- Power supply = 127-230 V
- Frequency = 50/60 Hz

### METERING DATA

- 4 quadrant measurements Active and Reactive energy
- Class 1 or 2 accuracy according to IEC 62052-11 & 62053-21 for active energy measurement
- Class B or A accuracy according to EN 50470-1 and EN 50470-3 for active energy measurement
- Class 2 accuracy according to IEC 62052-23 for reactive energy measurement
- Instantaneous measurement of U, I, P, F
- Average measurement of P, Q and power factor

### TARIFF MANAGEMENT

- Real-time clock with 7 day super-cap back-up.
- 4 seasons and 6 tariffs
- Up to 36 registers for energy
- Up to 6 maximum demand registers

### RECORDING

- Non-volatile memory E2PROM
- Power failure ride-through
- Load profile
- 2 multitrack groups
- Programmable Independent integration period
- Automatic historical recording of consumption registers
- Historical values

### CUSTOMER DISCONNECTION

- disconnection through 120A relay
- phase and neutral
- compliant with UC3 i.e. IEC 62055-31 appendix

### COMMUNICATION

#### LOCAL INTERFACE

- IEC 62056-21, Mode E
- Infra Red local communication port
- RS232/RS485
- 2A Relay
- Pulse output

#### PLC INTERFACE

- GSM/GPRS

#### PLC INTERFACE

- OFDM PRIME
- OFDM G3
- Automatic repeat function
- Plug&Play Technology

#### EXTERNAL CONTACT INPUT

- Gas leak detection
- Remote reconnection of the power breaker

#### DATA FORMAT

DLMS-COSEM and OBIS

### LOCAL METER READING

- Ready for water, gas and heat/cooling meter reading
- 2 wire M-Bus EN 13757 connection
- Master station
- Power up to 4U

### MECHANICAL FEATURES

- IP53 protection degree (IEC 60529)
- Fixing Triangle DIN 43857
- Operating Temperature: -25°C to +70°C
- Humidity  $\square$  90% at 40°C

### CONNECTION

- DIN and BS type

### APPLICATION SOFTWARE UPGRADE

- Physical separation between metrological and customisable software part
- Two bootable memory bank
- MID WELMEZC guide 7.2
- Local or remote download through optical port or PLC

\* Optional



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