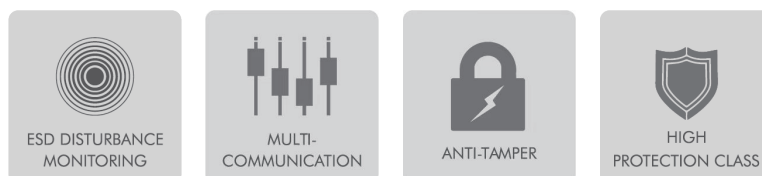




CHS120-p Single Phase Smart Meter

ALTITUDE series

- DLMS/COSEM Protocol
- Multiple Communication
- Pre-payment/Post-payment Configurable
- High Protection Class
- ESD Disturbance Monitoring
- Super Anti-Magnetic



CHS120-p Single Phase Smart Meter

SPECIFICATIONS

Measurement

- Compliance with IEC standard
- Connection type: 1P2W
- Accuracy: Class 1.0 for active, Class 2.0 for reactive

Voltage

- Nominal voltage (U_n): 220V, 230V, 240V
- Operating range: $0.4U_n \sim 1.2U_n$
- Power consumption: $\leq 2W$, 10VA

Current

- I_b : 5A
- I_{max} : 40/60A

Frequency

- 50Hz or 60Hz

Real-time Clock

- Accuracy within 0.5 seconds per day at 23°C

LCD Display

- 8 characters of 7 segment display
- Digital size: 4.5mm $\times$ 9mm
- LCD display available without main power

Battery (Optional)

- Battery easy replaced
- Button cell

Measured Values

- Import/Export/Absolute/Algebraic kWh
- Import/Export/ kvarh
- Instantaneous kW, kvar, kVA, Irms, Vrms, Frequency, Power factor

Maximum Demand

- Maximum demand: kW, kvar
- Intervals programmable from 5 to 60 minutes

Time of Use

- 4 rates (default)
- Up to 4 seasons each year
- Up to 4 week table
- Up to 4 day table
- Up to 24 Time intervals per day

Relay (Optional)

- Relay for phase line (default)
- Up to 10000 operations

Event Logs

- Tampering detection, power quality and general events
- Configurable event alarming system

Load Profile

- 2 channels (default)
- Up to 5760 records per channel

Communications

- Optical port
- Uplink: 2G/4G/G3-PLC/Wi-SUN module
- Protocol: DLMS/COSEM

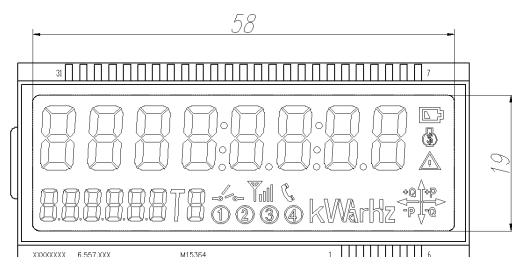
Environmental

- Operating range limit: -25°C to +70°C
- Storage range limit: -25°C to +80°C
- Relative humidity: $\leq 95\%RH$
- Ingress protection: IP56

Dimensions and Weight

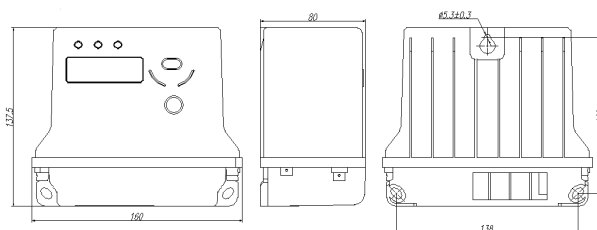
- Dimensions: 137.5mm $\times$ 160mm $\times$ 80mm
- Weight: $\leq 1Kg$

LCD INDICATION



• Units: mm

METER DIMENSIONS



• Units: mm



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