

Smart Electricity Meters



Exclusive Authorized Distributor in All Europe
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Carpathia HaCeTek SRL

Producer / Producător: ALCANSAR
Brand / Marka: HaCeTek



At the intersection of precision engineering and advanced analytics lies our comprehensive portfolio of next-generation smart metering solutions. Our cutting-edge single and three-phase smart meters designed to transform conventional energy monitoring into sophisticated intelligence hubs.

As a part of our metering ecosystem our single and three phase smart electricity meters leverage state-of-the-art telemetry capabilities and granular data acquisition protocols to deliver unprecedented visibility into consumption patterns. Each meter has a modular architecture with secure mesh networking functionality, enabling seamless integration with existing infrastructure while facilitating the transition to distributed energy resource management.

By deploying our metrology-grade measurement systems, utilities and enterprises gain access to actionable intelligence that transcends traditional consumption metrics, enabling dynamic tariff structures and demand-response capabilities previously unattainable with legacy systems.

Main Functions

Active Import and Export Energy measurement according to EN 50470-1 and EN 50470-3 standards

The meters measure Reactive Energy measurement according to IEC 62053-23 standard
MID approval

- ⚡ Up to 12 Month's History Energy and Demand Data
- ⚡ Time of Use
- ⚡ Load Profile 180 days
- ⚡ LCD with Backlight
- ⚡ Event Logs
- ⚡ Voltage Interruptions
- ⚡ Terminal Cover
- ⚡ Meter Cover
- ⚡ Connection Errors
- ⚡ Magnetic Field Errors
- ⚡ Reset Detection Errors



Technical Data

- ⚡ EN 50470-1 & EN50470-3 complies Energy measurement
- ⚡ Voltage: 240V, for 3phase meters : 3x240/415V
- ⚡ Frequency: 50Hz
- ⚡ Reference Current: 5A
- ⚡ Maximum Current: 100A
- ⚡ Moduler Communication 4G, BPL, PLC, RF
- ⚡ SMPS power supply with 12Vdc modem supply
- ⚡ EN 62056-6-2 demand calculation
- ⚡ Protection Class IP54 CAT III
- ⚡ LCD 10 years life time
- ⚡ Accuracy: Cl.1, B Class
- ⚡ RS 485 Communication
- ⚡ EN 62054-21 RTC
- ⚡ 6kV pulse voltage resistance

Single Phase and Three phase Multi-Function Electricity Meters

The Single and three Phase Meter with Multi-Function which is approval by IEC Standard. Main Functions: -Active Import and Export Energy Measurement -Up to 12 Month's History Energy and Demand Data -Time of Use -Load Profile - LCD and more. The product is complied with the relevant MID, EN standards.

General specifications

The Single Phase / Three phase Meter with Multi-Function which is approval by IEC Standard.

Main Functions

- ⚡ Active Import and Export Energy Measurement
- ⚡ Up to 12 Month's History Energy and Demand Data
- ⚡ Time of Use
- ⚡ Load Profile
- ⚡ LCD with Backlight
- ⚡ Active energy (import & export) total
- ⚡ Measuring mode is optional : +A with reverse locking, +A without reverse locking, +A/-A
- ⚡ Tariff dependant
- ⚡ Event Logs
- ⚡ Up to both energy directions
- ⚡ LCD display
- ⚡ External tariff control
- ⚡ SO- pulse output and optical interface

Technical Data

- ⚡ Voltage: 220-240V, for 3phase meters : 3X230/400V
- ⚡ Frequency: 50Hz/60Hz
- ⚡ Reference Current: 5A
- ⚡ Maximum Current: 60A,85A,100A
- ⚡ Accuracy: Cl.1