

# DIN RAIL SINGLE PHASE

Prepaid Meter



Cost Control and Management



Ease of Installation



User Convenience



Energy Efficiency



Data Accuracy and Security

VeryCo DIN rail single phase prepaid meters offer a comprehensive solution for both consumers and utilities, promoting efficient energy use, ensuring accurate billing, and enhancing overall convenience and security.

# VC1100 DIN Rail Single Phase Prepaid Meter

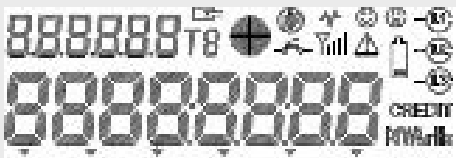
Single phase Split Smart Prepayment Meter (Class 1.0) based on PLC, RF, Cable or RS485 communications and helps utility operation easier, efficient and sustainable



## Product Specifications

|                          |                                                                                                                                                                                                                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Products</b>          | <b>Modern Living Room Set</b>                                                                                                                                                                                                                                                          |
| <b>Standard</b>          | Compliance with IEC standards(IEC 62052-11, IEC 62053-21 , IEC 62053-23 and IEC 62055-31)                                                                                                                                                                                              |
| <b>Product Features</b>  | Compatible with current and future communication technologies<br>Sealable optical port<br>High bandwidth by dual modules                                                                                                                                                               |
| <b>Sustainability</b>    | Upgrade from traditional to smart meter without any extra investment High-efficient and self-adaptive communication module for harsh environments                                                                                                                                      |
| <b>Prepaid Functions</b> | Prepaid/postpaid mode switchable<br>20 digit transmission as a token, customer purchases energy before consumption, through keypad<br>Low balance alert by audible & lamplight to remind user to top up energy<br>Support emergency & Friendly holiday mode<br>STS/CTS mode switchable |
| <b>Anti-tamper</b>       | Detection of meter cover, terminal and communication module cover opening, bypass, etc.<br>External magnetic field detector and magnetic immunity                                                                                                                                      |
| <b>Communication</b>     | IEC 62056-21 compliance Remote/Local firmware upgrade for meter and communication module<br>FW Flexible communication options:<br>> Optical port<br>> RS485<br>> wired M-bus<br>> Optional built-in communication PLC or RF channels with UIU                                          |

## Technical Specifications

|                                 |                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Normal Voltage</b>           | 230v                                                                                                                                                            |
| <b>Voltage Range</b>            | 0.5Un~1.3Un                                                                                                                                                     |
| <b>Current</b>                  | 5(80)A                                                                                                                                                          |
| <b>Frequency</b>                | 50Hz / 60Hz                                                                                                                                                     |
| <b>Accuracy Class</b>           | Active Energy: CL 1.0 1000 imp/kWh<br>Reactive Energy: CL 2.0 1000 imp/kvarh                                                                                    |
| <b>Standard</b>                 | Fully compliant with IEC 62052-11, IEC 62053-21, IEC 62053-23 and IEC 62055-31 standards (mechanical, climatic, electrical, electromechanical and metrological) |
| <b>Real-time Clock Accuracy</b> | <3min/Year or <0.5s/Day                                                                                                                                         |
| <b>Environment</b>              | Temperature Range: -25 °C ~ +75 °C<br>Humidity: Up to 95%                                                                                                       |
| <b>Ingress Protection</b>       | IP54                                                                                                                                                            |
| <b>Communication Interface</b>  | Optical port (IEC 62056-21)<br>RS485/PLC/RF<br>Protocol (IEC 62056)                                                                                             |
| <b>Liquid Crystal Display</b>   |                                                                              |

## Accessories

|                          |                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Communication</b>     | Supporting External telephone modem Cabling for external communication devices IR-reading device for connection to PC |
| <b>Configuration</b>     | PC Software for configuration and data reading                                                                        |
| <b>Installation Tool</b> | Sealing kit                                                                                                           |