

MDVH3016

Three Phase Three Wire/Four Wire Class 0.1S Meter



Main Features

- ▶ High Degree of Accuracy Class 0.1S
- ▶ Active/Reactive/Apparent Energy Measurement
- ▶ Wide Operating Voltage Range
- ▶ Power Quality Measurement and Event Logs
- ▶ Anti-Tampering Capability (Abnormality Detection, Event Logs, Sealable Casing)
- ▶ Provide 4 Configurable Load Profiles and THD Value for Billing and Analysis
- ▶ Expandable with External Module Connection
- ▶ IEC & High Durability Test Certificates
- ▶ ITRON MV90 TIM & SCADA System Compatible

Specification MDVH3016

Type	Three Phase Three Wire/Four Wire Class 0.1S Meter
Standards	IEC 62052-11, IEC 62053-22/24, IEC 62056-21, IEC 62056-61, IEC 62059-32-1
Voltage Rated voltage Un Voltage range	3P4W - 3 x (57.7/100 ~ 240/415)V 3P3W - 3 x 110V 80%Un~120%Un
Current Minimum current Imin Reference current In Maximum current Imax Starting current Ist	0.01A / 0.05A 1A / 5A 6A / 20A 0.1%In
Rated Frequency Fn	50Hz
Accuracy	Class 0.1S for active; Class 0.5S for reactive
Pulsating Indicator Pulsating (meter constant)	LED 50000imp/kWh; 50000imp/kvarh
Environment Temperature range	Operation: -10~70°C Storage: -10~85°C
Protection Degree	IP 54
Insulation Class	II
Typical Power Consumption Voltage circuit active/apparent power at Un Current circuit apparent power at Ib	<1W/1VA (Powered by auxiliary power supply) <0.1VA
LCD Display	13 digits with configurable decimal place, backlight supported
Backup Power Supply	Replaceable battery and Internal super capacitor
RTC	Provides RTC with clock accuracy according to IEC62054-21
Communication Interface	1 * Optical Port 1 * Ethernet Port (RJ45 type) 2 * RS485 Ports (RJ45 type) 1 * RS485 Port (terminal type) 1 * RS232 Port (RJ45 type) with power output 9V (350mA)
Communication Protocol	DLMS/Modbus/DNP3 (Modbus & DNP3 is for SCADA)
Auxiliary Supply Facility	Support auxiliary supply facility with 50-280V (AC or DC) AUX first priority
I/O Interface	5 * Signal Inputs 5 * Signal Outputs 2 * Relay Outputs
Weight Of Meter	About 1.9kg
Dimension(LxWxD)	272.0 × 174.5 × 80.5mm

