Open Energy for All

INFRARED SMART METER

HMeter-IR-W



Features

01 Magnetic mounting enables safe and quick deployment

02 Supports SML protocol, compatible with single/three-phase meter

03 High efficiency with up to 1 time per second data acquisition frequency

04 Flexible data monitoring with Wi-Fi and Bluetooth

Region: Global REV0.2 20260416

Technical Specifications

Model	HMeter-IR-W
IR Specifications	
IR compatibility	SML protocol
IR port connection	Magnetic mounting
IR renew rate	Once per second (determined by the measured meter)
Meter	Single/Three-phase meter
Measurement	Voltage, current, power, power factory, frequency, energy
Cable length	0.7 m
Dimensions (W × H × D)	32 × 32 × 20.5 mm
Net weight	39 g
Communication Specifications	
Wi-Fi	802.11 b/g/n
Wi-Fi range*	30 m (Indoor), 50 m (Outdoor) (depends on the environment)
BLE protocol	BLE 4.2
External power supply	Type C (5 V/2 A)
Power consumption	<1.5 W (typical value 5 V/260 mA)
Dimensions (W × H × D)	49 × 63 × 19 mm
Net weight	34 g
Adapter Specifications	
Voltage	230 V AC
Output cable length	1.5 m
Dimensions (W × H × D)	35 × 83 × 23 mm
Net weight	38 g (62 g, cable included)
Environment Specifications	
Operating temperature	-25°C to +55°C
Storaging temperature	-25°C to +80°C
Operating humidity	≤85%RH, non-condensation
Storaging humidity	10% to 85%RH, non-condensation
Enclosure protection rating	IP20
Altitude	≤2000 m

*: The actual Wi-Fi signal reception range depends on on-site conditions.

© 2026 Hoymiles Power Electronics Inc. All rights reserved.