

H-Series Class 100 Meter

SINGLE PHASE kWh METER

PRODUCT DATA



APPLICATION

The Honeywell Class 100 kWh meter is a 2-element meter used to monitor electric power usage of individual loads after the utility meter.

FEATURES

- Direct-read 2-line alpha-numeric LCD display without multiplier displays accumulative kWh and “real-time” kW load.
- Available in MMU (Multiple Meter Unit) enclosures containing up to 24 meters in one compact enclosure.
- Revenue-grade accuracy.
- Patented 0-2 volt output split-core current sensors promote enhanced safety and accurate remote mounting of current sensors up to 2,000 feet from meter without power interruption.
- Parallel up to three (3) sets of current sensors for cumulative reading.
- Current sensor installation diagnostics.
- Fixed pulse output.
- Non-volatile Memory.
- Maintains reading in the event of power failure.
- Meter can be used in the following configurations:
 - 1-Phase, 2-Wire
 - 2-Phase, 3-Wire
- Available in Industrial grade JIC steel enclosure (J) or NEMA 4X poly carbonate enclosure (R).
- UL/CUL Listed.
- Certified by independent test lab to ANSI C12.20 national accuracy standards. (+/- 0.2% from 1% to 100% of rated load.)

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CLASS 100 SELECTION GUIDE								
SERIES	CLASS		VOLTAGE	CURRENT		ENCLOSURE TYPE	CURRENT SENSORS	
H	10	-	2120	25-	J	Jic Steel Enclosure	Kit	Split-Core Current Sensors
		-	3208	50-	R	NEMA 4X Enclosure		
				100				
				200				
Example: H10-212025-JKIT = Class 100 Single Phase 2-wire 120V 25A Steel Enclosure with 1 Current Sensor								
Example: H10-3208100JKIT = Class 100 Single Phase 3-wire 208V 100A Steel Enclosure with 2 Current Sensors								

ORDERING INFORMATION

When purchasing replacement and modernization products from your TRADELINE® wholesaler or distributor, refer to the TRADELINE® Catalog or price sheets for complete ordering number. If you have additional questions, need further information, or would like to comment on our products or services, please write or phone:

1. Your local Honeywell Environmental and Combustion Controls Sales Office (check white pages of your phone directory).
2. Honeywell Customer Care
1885 Douglas Drive North
Minneapolis, Minnesota 55422-4386
3. <http://customer.honeywell.com> or <http://customer.honeywell.ca>

International Sales and Service Offices in all principal cities of the world. Manufacturing in Belgium, Canada, China, Czech Republic, Germany, Hungary, Italy, Mexico, Netherlands, United Kingdom, and United States.

CLASS 100 METER TECHNICAL SPECIFICATIONS

Input Voltage Configuration	3-wire or 2-wire single phase	
Mains Voltage Input	Up To 208 VAC RMS Available	
Input Power	2 VA Maximum Rating	
Current Sensor Rating	Up To 200 Amps RMS AC Available	
Power Factor	0.5 Leading Or Lagging	
Line Frequency	50-60 Hz	
Metering Accuracy	Certified To ANSI C12.20	
Voltage Operating Range	+/-10% Of Rated Load	
Temperature Range	(Standard indoor enclosure): -20C To +50C	
Temperature Range	(Type 4X outdoor enclosure):-20C To +70C	
Relative Humidity Range	0-95% Non-condensing	
Altitude	2000 Meters Maximum	
Voltage Overload	+25% Continuously: +100% For 20 Cycles	
Current Sensor Overload	100% For 1 Minute Without Damaging Meter	
Pollution Degree	Degree 2 In Accordance With IEC 664	
Installation (Overvoltage) Category	Category 3	
Measurement Category	Category 3	
Enclosure Material	Indoor Housing Rating (J): UL Type 1 Outdoor Housing Rating (R): Type 4X	
Display Readout	KWh Accumulated, Instantaneous kW	
Standard Ranges	3-wire 115/208 Vac; 25, 50, 100, or 200 AMP 2-wire 120/240 Vac; 25, 50, 100, or 200 AMP	
IDR Interface Port	Cable Specification:	UL-listed/rated Telephone Cord. 6 conductor.
	Input/output Voltage:	+5 VDC/18 VAC
	Cable Connector:	RJ-45 male IDC
	Circuit Input Isolation:	5.3kVAC for one minute
	Circuit output Isolation:	2.5kVAC
Isolated Pulse/Alarm Outputs	Output Voltage Potential:	0 VDC to +5 VDC Logic Levels
	Mating Plug Connector:	Weidmuller PN: 152876
	Signal Isolation Voltage:	5.3K VAC for 1 Minute
Recommended In-line Fuse	Manufacturer:	Littlefuse
	Mfg. Part No.:	KLDR.100
	Rating:	100mA, Time-delay, 600VAC Cartridge Fuse

H-SERIES CLASS 100 METER

Automation and Control Solutions

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