

H-Series Class 200 Meter

KWH & KWH/DEMAND METER

PRODUCT DATA



APPLICATION

The Honeywell Class 200 kWh/Demand meter is a 3-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 cumulative kWh & “real-time” kW load.
- Demand option displays kW/Demand and kW Peak date and time (15 minute interval standard, 30 and 60 minute intervals available.)
- Patented 0-2 volt output split-core current sensors promote enhanced safety and accurate remote mounting of current sensors up to 2000 feet from meter without power interruption.
- Onboard installation diagnostics & verification system.
- Parallel up to three (3) sets of current sensors for cumulative reading.
- Meter can be used on the following configurations:
3-Phase, 4-Wire
3-Phase, 3-Wire
2-Phase, 3-Wire
- Fixed-value pulse output.
- Available in both industrial grade JIC steel enclosure and NEMA 4X polycarbonate enclosure.
- Non-volatile Memory.
- UL/CUL Listed.
- Revenue Grade Accuracy. 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 200 and Green Meter Selection Guide										
Series	Class		Voltage	Current	Enclosure Type		Green or Demand Option		Current Sensors	
H	20	-	208	100-	J	JIC STEEL ENCLOSURE	-G-	GREEN CLASS METER	KIT	SPLIT-CORE CURRENT SENSORS
		-	480	200-	R	NEMA 4X ENCLOSURE	-D-	DEMAND		
		-	600	400-			KIT	NO OPTIONS, SPLIT CORE CURRENT SENSORS		
		-		800-						
		-		1600-						
		-		3200-						
Example: H20-208100-RKIT = Class 200 Three Phase 208/240V 100A, NEMA 4X Enclosure with 3 Current Sensors.										
Example: H20-2081600R-D-KIT = Class 200 Three Phase 208/240V 1600A, NEMA 4X Enclosure, Demand Option, with 3 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 200 METER TECHNICAL SPECIFICATIONS

Input Voltage Configuration	3-wire (Delta) Or 4-wire (Wye)	
Mains Voltage Input	Up To 600 VAC RMS Available	
Input Power	6 VA Maximum Rating	
Current Sensor Rating	Up To 3200 Amps RMS AC Available	
Power Factor	0.5 Leading Or Lagging	
Line Frequency	50-60 Hz	
Metering Accuracy	Certified To ANSI C12.16 (+/-% From 1- 100% Of Rated Load)	
Voltage Operating Range	+/-10% Of Rated Load	
Temperature Range	-20 C To +50 C (Standard indoor enclosure):	
Temperature Range	-20 C To +70 C (NEMA 4X outdoor enclosure)	
Relative Humidity Range	0-95% Non-condensing	
Altitude	200 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 111	
Measurement Category	Category 111	
Enclosure Material	Indoor Housing Rating (J): JIC Steel Enclosure Outdoor Housing Rating (R): NEMA 4X	
Display Readout	KWh Accumulated,	
Standard Ranges	4-Wire Wye, 120/208 VAC: 100, 200, 400, 800,1600,3200 Amp 2 Phase, 120/240 VAC: 100, 200, 400, 800,1600,3200 Amp 4-Wire Wye, 277/480 VAC: 100, 200, 400, 800,1600,3200 Amp 3-Wire Delta, 220/240 VAC: 100, 200,400,800,1600,3200 Amp 3-Wire Delta, 480 VAC: 100, 200, 400, 800,1600,3200 Amp 4-Wire Wye, 600 VAC: 100,200,400,800,1600,3200 Amp	
Modem Interface	Cable:	UL-listed Telephone Cord, 6-cond. 300 VAC, Stranded Cond. 22-26 AWG.
	Cable Connector:	RJ-45 male IDC
	Input/Output Voltage:	+5 VDC/18 VAC
	Ckt Input Isolation	5.3K VAC for 1 Minute
	Baud Rate:	9600
IDR Interface Port	Cable:	UL-listed/rated Telephone Cord. 4-cond.
	Input/output Voltage:	Ground-isolated +/-5.4VDC
	Cable Connector:	RF-45 Male IDC Or Screw Terminal Termination
	Circuit Input Isolation:	5.3kVAC
	Circuit output Isolation:	21.5kVAC
	Isolated Pulse/Alarm Outputs (TB5, TB6):	
	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
Battery Cell	Description:	Non-rechargeable Cell Used For Memory Retention
	Manufacturer:	Eagle-Picher
	Mfg Part No:	LTC-3PN-S2
	Working Voltage:	3.5VDC
	Current Capacity	350mAh
	Electrolyte:	Lithium Thionyl Nitrate

H-SERIES CLASS 200 METER

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