

OBSOLETE

Description

KMC models H8035 and H8036 are networked power meters designed for real-time, single or three-phase energy services metering in commercial and industrial applications.

These innovative meters combine power metering electronics and high industrial grade current transformers in a single package eliminating the need for external electronic enclosures and reducing installed components. Split-core installation eliminates the need to remove conductors; greatly reducing installation time and cost. Up to 31 H8035/8036 meters can be connected to a KMC digital network with a KMC-5540 or KMD-1611. Up to 63 meters can be connected to a standard Modbus network.

Applications

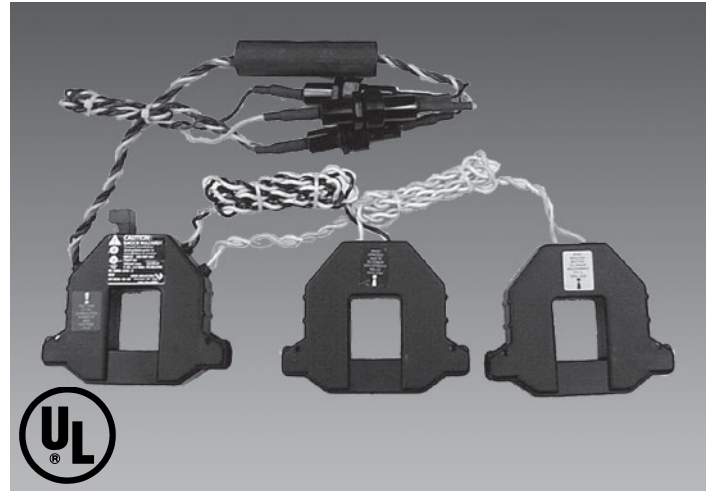
- ◆ Energy management and performance contracting
- ◆ Submetering for commercial tenants
- ◆ Activity based costing in commercial and industrial facilities
- ◆ Real-time power monitoring

Cost-effective Metering

- ◆ Monitor energy parameters (kW, kWh, kVAR, PF, Amps, Volts) at three-phase at multiple locations on a single RS-485 network...greatly reduces wiring time and cost
- ◆ Fast split-core installation eliminates the need to remove conductors
- ◆ Precision metering electronics and current transformers in a single package—reduces the number of installed components—huge labor savings
- ◆ Smart electronics eliminate CT orientation concerns—fast trouble free installation

High accuracy

- ◆ $\pm 1\%$ system accuracy conforms to ANSI C12.1 metering standards



Specifications

Primary Input Voltage

208–480 volts AC rms

Phases Monitored

One to three

Frequency

50/60 Hz

Primary Current

Up to 2400 amperes per phase

Internal Isolation

2000 volts AC rms

Case Isolation Current

600 volts AC rms

Transformers

Split Core: 100-2400 amperes

Environmental Limits

Temperature 32°–140°F (0°–60°C)

Humidity 0–95% non-condensing

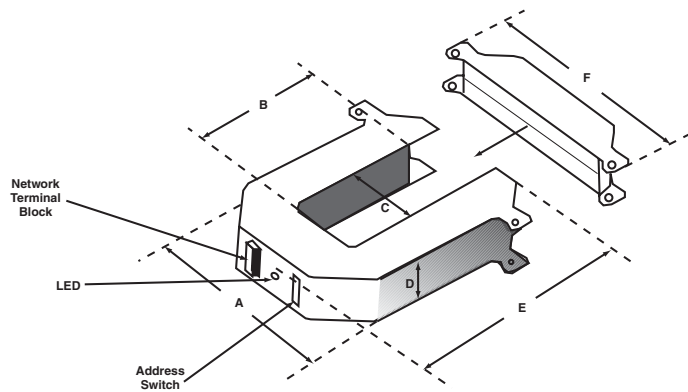
Accuracy $\pm 1.0\%$ (ANSI C12.1)

Communication

Modbus RS-485 RTU

Connect directly to KMD-1611 or to KMC digital network with KMD-5540-005 gateway.

Dimensions



Dimension	-2 Models	-3 Models	-4 Models
A	3.75" (95)	4.90" (124)	4.90" (124)
B	1.51" (38)	2.89" (73)	5.50" (140)
C	1.25" (32)	2.45" (62)	2.45" (62)
D	1.13" (29)	1.13" (29)	1.13" (29)
E	4.20" (107)	5.57" (141)	8.13" (207)
F	4.75" (121)	5.91" (150)	5.92" (150)

(Dimensions in inches and millimeters (mm))

H8035 and H8036 Models

Modbus Power Meters	Enhanced Modbus Meters	MAX. AMPS	CT SIZE
H8035-0100-2	H8036-0100-2	100	SMALL
H8035-0300-2	H8036-0300-2	300	SMALL
H8035-0400-3	H8036-0400-3	400	MEDIUM
H8035-0800-3	H8036-0800-3	800	MEDIUM
H8035-0800-4	H8036-0800-4	800	LARGE
H8035-1600-4	H8036-1600-4	1600	LARGE
H8035-2400-4	H8036-2400-4	2400	LARGE

Data Output

H8035

kWh
KW

H8036

kWh, Consumption
kW, Real Power
kVAR, Reactive power
kVA, Apparent power
Power factor
Average Real power
Minimum Real power
Maximum Real power
Voltage, line to line
Voltage, line to neutral†
Amps, Average current
kW, Real power ØA†
kW, Real power ØB†
kW, Real power ØC†
Power factor ØA†
Power factor ØB†
Power factor ØC†
Voltage, ØA to ØB
Voltage, ØB to ØC
Voltage, ØA to ØC
Voltage, ØA to Neutral†
Voltage, ØB to Neutral†
Voltage, ØC to Neutral†
Amps, Current ØA
Amps, Current ØB
Amps, Current ØC

† Based on derived neutral

KMC Controls, Inc.

19476 Industrial Driv

New Paris, IN 46553

574.831.5250

www.kmcccontrols.com