

New Information

# Metering Devices

## IQ Generator

### IQ Generator

#### Applications

- Electrical metering

#### Metered/Monitored Parameters

- Phase currents: A, B, C
- Volts: L-L, L-N
- Frequency

#### Communications

- Optional interface capability to computer network for data collection, storage and/or printout via the Cutler-Hammer PowerNet System

#### Physical Characteristics

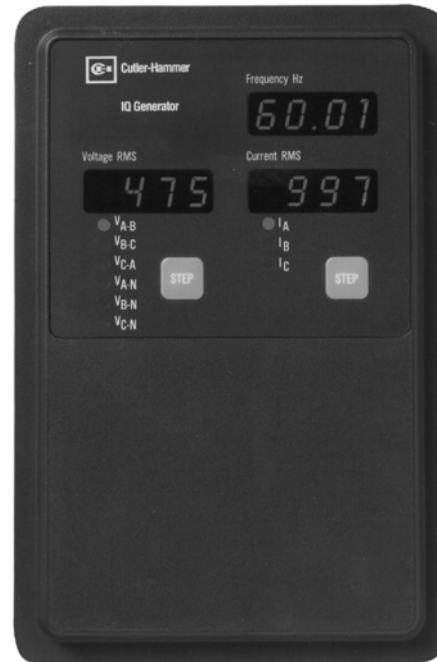
- Three four-digit display windows for simultaneous viewing or current, voltage and frequency
- Height: 10.25 inches
- Width: 6.72 inches
- Depth: 5.24 inches
  - 2.04 inches without Power Module and PONI
  - 3.24 inches with PONI but without Power Module
  - 4.04 inches without PONI

#### Listings/Certifications

- UL recognized, CSA certified

#### Ratings

- Application to 14.4 kV, no PTs to 600V
- CT ratios selectable from 25:5 to 5,000:5



### General Description

The IQ Generator is a microprocessor-based monitoring device that provides simultaneous current, voltage and frequency metering. In one compact, standard package, the IQ Generator provides an alternative to individually mounted and wired ammeters, voltmeters, ammeter and voltmeter switches, and frequency meters.

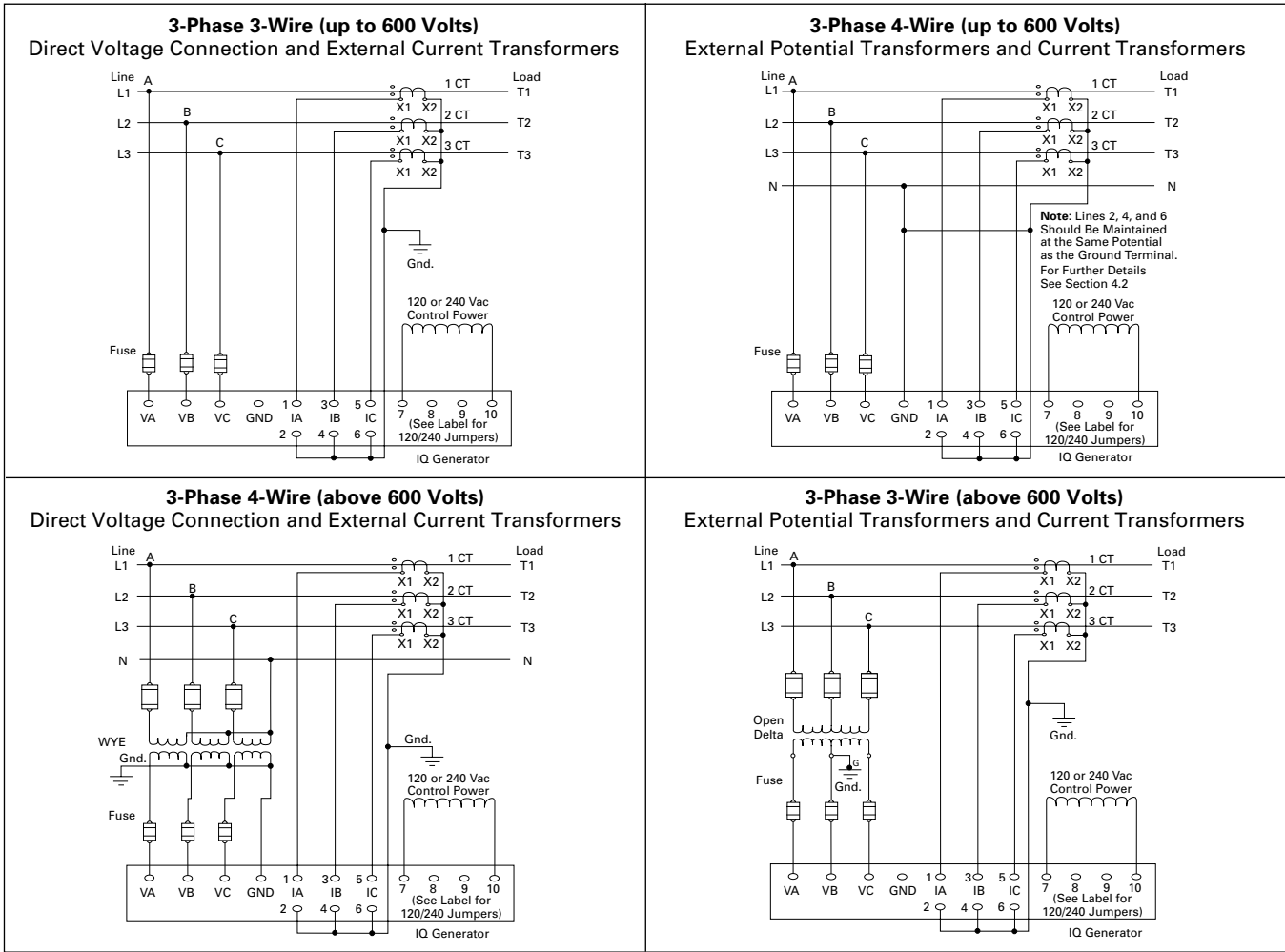
### Input Ranges

- Current Transformers – 25:5 through 5000:5
- Potential Transformers – Self contained up to 600 volts. Above 600 volts, potential transformer inputs to 14.4kV
- CT and PT ratios field settable with DIP switches

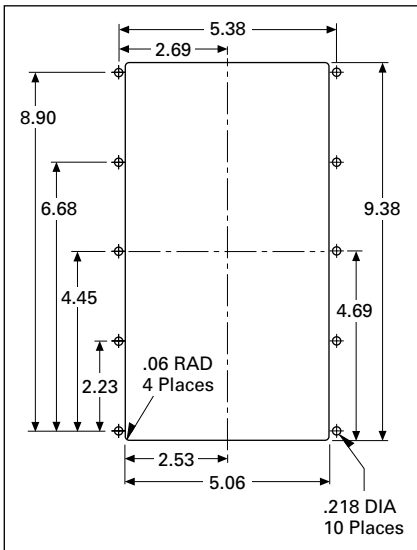
### Additional Features

- Simple electrical connections
- 50/60 cycle
- 3-wire or 4-wire systems
- Door mounted (2.5 inches depth)
- Three four-digit display windows for simultaneous viewing of current, voltage and frequency
- Separate step button for current and voltage
- Optional PONI card for communications on the Cutler-Hammer PowerNet System
- No PTs under 600V
- UL recognized, CSA certified

Field Wiring Connections (Standalone Application – Style 2D78533G02)



Drilling Pattern



Direct Reading Metered Values

Ac Ampere

- 1% Accuracy
- Phase A
- Phase B
- Phase C

Ac Voltage

- 1% Accuracy
- Phase A-Neutral
- Phase B-C
- Phase B-Neutral
- Phase C-A
- Phase C-Neutral

- Frequency
- 0.5% Accuracy

Ordering Information

IQ Generator

Description	Catalog Numbers
With single-phase power supply	<b>IQGEN</b>
With removable three-phase power module	<b>IQGENPM</b>

Specifications

Device's Power Requirement

- 3-phase PT Burden 0.02 VA
- With 3-phase voltage power module 10 VA
- CT Burden 1.25 VA

Frequency 50/60 Hz

Line Characteristics

Nominal line  $\pm 20\%$

Will continue to operate in event of a phase loss

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