



## 05 – FREQUENCY ASK QUESTIONS

**1) What is the different between GEM230-D, GEM630-CT and GEM630-D-M?**

GEM230-D – Suitable for Single Phase, direct connection up to 100A

GEM630-D-M - Suitable for three Phase, direct connection up to 100A

GEM630-CT - Suitable for three Phase, CT connection 1/5A

**2) How many CTs required for GEM630-CT for 3 phase 4 wires or 3 phase 3 wires application?**

3 CTs required and the neutral current will be automatically calculated by the power meter

**3) What is the accuracy of GEM series meter**

It comply with MID class B standard

**4) Is GEM series meter come with memory for data logging?**

No, the power meter only come with memory for recording accumulated energy and maximum demand.

Data logging function is not available on GEM series meter

**5) What is the sampling rate of GEM series meter ?**

The sampling rate of power meter is 32 sample/cycle which equivalent to 1.6kHz

**6) How many GEM series meter can be daisy chain in 1 looping?**

Theoretically is 32nos but recommend to be <20nos.



## 05 – FREQUENCY ASK QUESTIONS

### 7) What is the maximum length RS485 communication cables for GEM series meter ?

Theoretically is 1200 meters.

### 8) Why BMS / PMS cannot read GEM series meter reading?

Recommend to use Modscan software to connect to the power meter and read the data directly to confirm the connection and meter functionality

<https://www.youtube.com/watch?v=STBX1Nc2IOs>

### 9) Can I replace the power meter without shutdown the load?

GEM 630-CT - It is possible but please do take note that voltage signal's fuses need to be pull out and CT secondary signals need to be short link. Whenever possible, we still recommend to replace the meter with system shutdown.

GEM 630-D & GEM230-D – Shutdown is mandatory.