

# Sigen Power Sensor

| Sigen Sensor                 | SP-CT100-WI              | TP-CT100-WI | TP-CT300-WI                            | TP-CT600-WI | Units |
|------------------------------|--------------------------|-------------|----------------------------------------|-------------|-------|
| Power Supply                 |                          |             |                                        |             |       |
| Grid connection type         | 1P2W                     |             | 3P3W/3P4W                              |             |       |
| AC input voltage range       | 100 ~ 277                |             | 100 ~ 277 (L~N)<br>173 ~ 480 (L~L)     |             | Vac   |
| Nominal AC frequency         |                          |             | 50/60                                  |             | Hz    |
| Max. operating current       | 100                      |             | 300                                    | 600         | A     |
| Measurement Accuracy         |                          |             |                                        |             |       |
| Voltage accuracy             |                          |             | 0.5%                                   |             |       |
| Current accuracy             |                          |             | 0.5% (4~120A), 1% (1~4A), 3% (0.06~1A) |             |       |
| Power accuracy               |                          |             | 1%                                     |             |       |
| Frequency accuracy           |                          |             | 0.2%                                   |             |       |
| Communication                |                          |             |                                        |             |       |
| Interface                    | WLAN / Bluetooth / RS485 |             |                                        |             |       |
| RF band                      | 2.4                      |             |                                        |             |       |
| RS485 band rate              | 9600                     |             |                                        |             |       |
| RS485 protocol               | Modbus RTU               |             |                                        |             |       |
| General Data                 |                          |             |                                        |             |       |
| Dimensions (W / H / D)       | 19 / 97 / 66             |             |                                        |             |       |
| Weight                       | 0.08                     |             |                                        |             |       |
| Storage temperature range    | -40 ~ 85                 |             |                                        |             |       |
| Operating temperature range  | -40 ~ 70                 |             |                                        |             |       |
| Relative humidity range      | 0% ~ 95%                 |             |                                        |             |       |
| Ingress protection rating    | IP20                     |             |                                        |             |       |
| Installation method          | DIN Rail 35 mm           |             |                                        |             |       |
| Overvoltage Category         | III                      |             |                                        |             |       |
| Measurement Category         | CAT III 300V             |             |                                        |             |       |
| Pollution Degree             | 2                        |             |                                        |             |       |
| CT Accessory                 |                          |             |                                        |             |       |
| Number of CT                 | 1                        | 3           | 3                                      | 3           | pcs   |
| Cable length of CT           | 1                        | 1           | 1                                      | 6           | m     |
| Inner diameter of CT         | 16                       | 16          | 24                                     | 36 / 50     | mm    |
| Weight of CT                 | 0.11                     | 0.28        | 0.65                                   | 1.50 / 2.60 | kg    |
| Max. operating current of CT | 100                      | 100         | 300                                    | 600         | A     |