# Smart Power Sensor

### Accurate
Class 1 measurement accuracy

### Simple & Easy
LCD display, easy to set and check

### Energy Efficient
Overall power consumption ≤ 1.5 W

| Technical Specification | DTSU666-HW/YDS60-80 |
|---|---|
| **General Data** | |
| Dimension (H x W x D) | 100 x 72 x 80 mm (3.9 x 2.8 x 3.1 inch) |
| Mounting type | DIN35 Rail |
| Weight (including cables) | < 0.5 kg |
| **Power Supply** | |
| Power grid type | 3P4W/3P3W |
| Input voltage (line voltage) | 90 ~ 500 Vac |
| Power consumption | ≤ 1.5 W |
| **Measurement Range** | |
| Line voltage | 90 Vac ~ 1000 Vac (> 500 with external PT [1]) |
| Phase voltage | 52~577 Vac |
| Current | 0 ~ 80 A(>80 with external CT [2]) |
| **Measurement Accuracy** | |
| Voltage / Current | ±0.5 % |
| Power / Energy | ±1 % |
| Frequency | ±0.01 Hz |
| **Communication** | |
| Interface | RS485 |
| Baud rate | 4800/9600/19200/115200 (Default 9600bps) |
| Communication protocol | Modbus-RTU |
| **Environment** | |
| Operating temperature range | -25 ℃ ~ 60 ℃ |
| Storage temperature range | -40 ℃ ~ 70 ℃ |
| Operating humidity | 5 %RH ~ 95 %RH (non-condensing) |
| **Others** | |
| Accessories | RS485 Cable (10 m / 33 ft.) |

*1 2nd voltage of PT should be 100V. And accuracy should be better than Class 0.5
*2 2nd current of CT should be 1A or 5A. And accuracy should be better than Class 0.5

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