

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

Smart Power Sensor Technical Specifications

Technical Specification	SmartPS-100A-S0	SmartPS-80A-T0	DDSU666-H	DTSU666-H
General Specification				
Dimensions (H x W x D)	100 mm x 36 mm x 65.5 mm (3.9 in. x 1.4 in. x 2.6 in.)	100 mm x 72 mm x 80 mm (3.9 in. x 2.8 in. x 3.1 in.)	100 mm x 36 mm x 65.5 mm (3.9 in. x 1.4 in. x 2.6 in.)	100 mm x 72 mm x 65.5 mm (3.9 in. x 2.8 in. x 2.6 in.)
Mounting type	DIN35 Rail			
Weight (including cables)	1.2 kg	< 0.5 kg	1.2 kg (2.6 lb)	1.5 kg (3.3 lb)
Power Supply				
Power grid type	1P2W	3P3W/3P4W	1P2W	3P3W/3P4W
Input voltage (phase voltage)	176-288 V AC	90-500 V AC	176 V AC-288 V AC	
Power consumption	≤ 0.8 W	≤ 1.5 W	≤ 0.8 W	≤ 1 W
Measurement Range				
Line voltage	/	90-1000 V AC (> 500 with external PT ¹)	/	304 V AC-499 V AC
Phase voltage	176-288 V AC	52-577 V AC	176 V AC-288 V AC	
Current	0-100 A	0-80 A (>80 with external CT ²)	0-100 A	0-100 A
Measurement Accuracy				
Current/Voltage	$\pm 0.5\%$			
Power/Energy	$\pm 1\%$			
Frequency	± 0.01 Hz			
Communication				
Interface	RS485			
Baud rate	4800/9600/19200/115200 (9600 bps by default)		9,600 bps	
Communication protocol	Modbus-RTU			
Environment				
Operating temperature range	-25°C to $+60^{\circ}\text{C}$			
Storage temperature range	-40°C to $+70^{\circ}\text{C}$			
Operating humidity	5% RH-95% RH (non-condensing)			
Others				
Accessories	RS485 Cable (10 m / 33 ft.)		RS485 Cable (10 m / 33 ft.)	
	1 CT 100 A / 40 mA (5 m / 16.4 ft.) 	/	1 CT 100 A / 40 mA (5 m / 16.4 ft.) 	3 CT 100 A / 40 mA (5 m / 16.4 ft.) 