

## PPH-1503 Specifications

The specifications apply when the PPH-1503 is powered on for at least 30 minutes under +20°C~+30°C.

DC GENERAL	MEASUREMENT TIME CHOICES	0.01 ~ 10PLC <sup>1</sup> ,0.01PLC/step
	AVERAGE READINGS	1~10
	TYPICAL READING TIME <sup>2,3</sup>	31ms
DC VOLTAGE OUTPUT (23°C±5°C)	OUTPUT VOLTAGE	0~15V
	OUTPUT ACCURACY	± (0.05%+10mV)
	PROGRAMMING RESOLUTION	2.5mV
	READBACK ACCURACY <sup>3</sup>	± (0.05%+3mV)
	READBACK RESOLUTION	1mV
	OUTPUT VOLTAGE RISING TIME	0.15ms (10% ~ 90%)
	OUTPUT VOLTAGE FALLING TIME	0.65ms (90% ~ 10%)
	LOAD REGULATION	0.01%+2mV
	LINE REGULATION	0.5mV
	STABILITY <sup>4</sup>	0.01%+0.5mV
	RECOVERY TIME(1000%LOAD CHANGE)	<40us (<100mV) <80us (<20mV)
	RIPPLE AND NOISE <sup>5</sup>	1mV rms(0~1MHz) 8mVpp(20Hz~ 20MHz)
DC CURRENT (23°C±5°C)	OUTPUT CURRENT	0 ~ 5A (0 ~ 9V) 0 ~ 3A (9 ~ 15V)
	SOURCE COMPLIANCE ACCURACY	±(0.16%+5mA)
	PROGRAMMED SOURCE RESOLUTION	1.25mA
	READBACK ACCURACY <sup>3</sup>	5A range: ±(0.2%+400uA) 5mA range: ±(0.2%+1uA)
	READBACK RESOLUTION	5A range: 100uA 5mA range: 0.1uA
	CURRENT SINK CAPACITY	0 ~ 5V: 2A 5 ~ 15V:(2A derate 0.1A)/V
	LOAD REGULATION	0.01%+1mA
	LINE REGULATION	0.5mA

	STABILITY <sup>4</sup>	0.01%+50uA
DVM	INPUT VOLTAGE RANGE	0 ~ 20VDC
	INPUT IMPEDANCE	10Ω
	MAXIMUM INPUT VOLTAGE	-3V, +22V
	READING ACCURACY <sup>3</sup>	± (0.05%+3mV)
	READING RESOLUTION	1mV
PULSE CURRENT MEASUREMENT	TRIGGER LEVEL	5mA ~ 5A, 5mA/step
	HIGH TIME/LOW TIME/AVERAGE TIME	33.3us to 833ms, 33.3us/step
	TRIGGER DELAY	0 ~ 100ms,10us/steps
	AVERAGE READINGS	1 ~ 100
	LONG INTEGRATION PULSE TIMEOUT	1S ~ 63S
	LONG INTEGRATION MEASUREMENT TIME	850ms(60Hz)/840ms(50Hz) ~ 60s,or AUTO time 16.7ms/steps(60Hz), 20ms/steps(50Hz)
	LONG INTEGRATION TRIGGER MODE	Rising, Falling, Neither
OVP	OVP RANGE	OFF,ON (0 ~ 15.2V)
	RESOLUTION	10mV
	ACCURACY	50mV
Others	PROGRAMMING	IEEE-488.2(SCPI)
	USER_DEFINABLE POWER_UP STATES	5 sets
	REAR PANEL CONNECTOR	8Pin:output*4, sense*2, DVM*2
	TEMPERATURE COEFFICIENT	0.1* specification/ °C
	POWER CONSUMPTION	150VA
	REMOTE/LOCATION CONNECTOR	USB/GPIB/LAN
	RELAY CONTROL CONNECTOR	150mA/15V 5Voutput, 100mA
Insulation	Chassis and Terminal	20MΩ or above (DC 500V)
	Chassis and AC cord	30MΩ or above (DC 500V)
Operation Environment		Indoor use, Altitude: ≤ 2000m Ambient temperature: 0 ~ 40°C Relative humidity: ≤ 80% Installation category: II, Pollution degree: 2
STORAGE Environment		TEMPERATURE: -20°C ~ 70°C HUMIDITY: < 80%

INPUT POWER	90-264VAC, 50/60Hz <sup>6</sup>
Accessories	CD 8cmUser manual x1, Quick Start manual x1 Test lead GTL-117 x 1, GTL-203A x 1, GTL-204A x 1
Dimensions	222 (W) x 86 (H) x 363 (D) mm
Weight	Approx. 4.2kg
Remarks	<p>PLC=PowerLineCycle, 1PLC = 16.7ms for 60Hz operation, 20ms for 50Hz operation;                      Display OFF, Speed includes measurement and binary data transfer out of GPIB;                      PLC=1;                      STABILITY:Following 15 minute warm-up, the change in output over 8 hours under ambient temperature, constant load, and line operating conditions;</p> <p>The ground ring of the probe is pressed directly against the output ground of the power supply and the tip is in contact with the output voltage pin.</p> <p>Auto detected at power-up;</p>