

PPH-1503D & PPH-1506D Specifications

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

Brand	GWinstek	
Model	PPH-1503D/1506D	
OUTPUT RATING		
Number of output channel	2	
Channel No.	ch1	ch2
Voltage	0 ~ 15V or 0 ~ 9V	0 ~ 12V
Current	0 ~ 5A (0~9V)	0 ~ 1.5A(1503D)/ 0~ 3.0A(1506D)
	0 ~ 3A (9~15V)	
Power	45W	18W(1503D)/ 36W(1506D)
Output Voltage Rising Time	0.20ms (10% ~ 90%)	
Output Voltage Falling Time	0.30ms (90% ~ 10%)	
STABILITY		
Voltage	0.01%+3.0mV	
Current	NA	
REGULATION (CV)		
Load	0.01%+2mV	
Line	0.5mV	
REGULATION (CC)		
Load	0.01%+1mA	
Line	0.5mA	
RIPPLE & NOISE		
CV p-p (20Hz - 20MHz)	8mV	8mV
CV rms(0 - 1MHz)	3mV	3mV
CC rms	NA	NA
PROGRAMMING ACCURACY		
Voltage	0.05%+10mV	
Current (1.5A & 5A)	0.16%+5mA(5A/3A/1.5A)	
Current (500mA)	0.16%+0.5mA	NA
Current (5mA)	0.16%+5uA	
READBACK ACCURACY		
Voltage	0.05%+3mV	
Current (1.5A & 5A)	0.2%+400uA(5A)	0.2%+400uA(1.5A/3A)
Current (500mA)	0.2%+100uA(500mA)	NA
Current (5mA)	0.2%+1uA(5mA)	0.2%+1uA(5mA)
RESPONSE TIME		
Transient recovery time	1000% Load Change < 40uS (<100mV,Rear) < 50uS(<100mV,Front) < 80uS (<20mV)	
PROGRAMMING RESOLUTION		
Voltage	2.5mV	
Current	1.25mA(5A)	1.25mA(1.5A/3.0A)
Current	0.125mA(500mA)	NA
Current	1.25uA(5mA)	
READBACK RESOLUTION		
Voltage	1mV	
Current	0.1mA (5A Range)	0.1mA(3A/ 1.5A Range)
Current	0.01mA(500mA Range)	NA
Current	0.1uA(5mA Range)	0.1uA(range: 5mA)
PROTECTION FUNCTION		
OVP Accuracy	CH1:50mV	CH2:50mV

DVM		
DC Readback Accuracy (23°C ± 5 °C)	NA	0.05%+3mV
Readback Resolution		1mV
Input Voltage range		0 ~ 20VDC
Maximum Input Voltage		-3V, +22V
Input Resistance and Capacitance		20MΩ
Programmable output resistance		
Range	1 mΩ to +1 Ω	
Programming accuracy	0.5% + 10 mΩ	
Resolution	1mΩ	
PULSE CURRENT MEASUREMENT		
TRIGGER LEVEL	5mA ~ 5A, 5mA/step	5mA ~ 1.5A, 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	
OTHERS		
Output Terminal	Front / Rear Panel	Rear Panel
DVM Input	NA	Front Panel
RELAY CONTROL CONNECTOR	150mA/15V , 100mA/5(inter power)	
Operation temperature	0 ~ 40°C	
Operation Humidity	≤ 80%	
Storage Temperature	-20°C ~ 70°C	
Storage Humidity	< 80%	
PC REMOTE INTERFACES		
(Standard)	GPIB / USB / LAN	
CURRENT SINK CAPACITY		
Sink Current Rating	CH1 : 0~4V: 3.5A 4~15V:3.5A-(0.25A/V)	CH2: 0~ 5V: 2A(PPH-1503D) 3A(PPH-1506D); 5~12V: 2A-(0.1A/V)(PPH-1503D) 3A-(0.25A/V)(PPH-1506D)
Memory		
Save / Recall	5 Sets	
Power		
Input Power	90-264VAC ; 50/60Hz	
POWER CONSUMPTION	160W	
DIMENSIONS & WEIGHT		
Dimensions	222(W) x 86(H) x 363(D) mm	
Weight	Approx 4.5Kg	