Programmable DC Power Supply

GPP-3610H/GPP-7250

Quick Start Guide

GW INSTEK PART NO. 82PP-72500M01
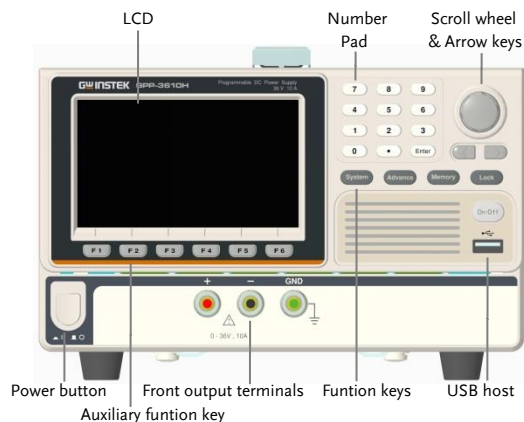
ISO-9001 CERTIFIED MANUFACTURER   **GW INSTEK**

Introduction

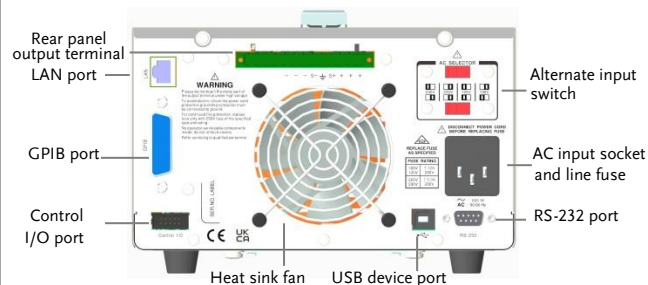GPP-3610H/GPP-7250 programmable high-precision DC power supply with adjustable output voltage/current and multi-function.

Front Panel

*The panel above is the example of GPP-3610H.

Rear Panel

Function

For more information, refer to the User Manual within the enclosed CD.

Display Modes

In order to offer diverse information display of each channel to meet requirements from different users, the GPP series provide several selections of different display modes.

Source Function

The required output voltage or output current can be obtained through the Source function.

Load Mode

It can be set as Load Mode to realize electronic load function.

Sequence Function

Under Source mode of the GPP series, user can customize a certain V/I sequential waveform output. Under Load mode, it is programmable for dynamic load (below 1Hz).

Delay Function

It is necessary to output a series of pulse in real applications. This function is available when voltage is constant. Output waveform can be edited per user's preference. The amplitude range of the output waveform is the output voltage range of power supply.

Monitor/Recorder Function

GPP series can realize certain function including the Monitor function, which helps guarantee load status of client via halting operation based on certain preset conditions, and the Recorder function, which effectively records output status in real time.

Front and Rear output Function

GPP can be operated through panel menu or remote command to output on front and back panels.

Remote Control

To meet the various needs from customers, the GPP series provide the additional 4 types of remote control including USB, RS232 , GPIB(Option) and LAN(Option).

Specification

The specifications only apply when the unit has warmed up for at least 30 minutes, within +20°C - +30°C.

Source output	Rating	0 - 36.000V , 0 - 10.0000A (GPP-3610H)
		0 - 72.000V , 0 - 5.0000A (GPP-7250)
Voltage	Line regulation	≤ 0.01% + 3mV
	Load regulation	≤ 0.01% + 5mV
	Ripple & noise	≤1mVrms (5Hz-1MHz)
	Transient recovery time	≤100μs (50% load change, minimum load 0.5A)
	Temperature coefficient	≤300ppm/°C
Current	Line Regulation	≤0.01% + 3mA
	Load Regulation	≤0.01% + 3mA
	Ripple & noise	≤2mArms
Resolution	Voltage	programming 1mV, readback 0.1mV (GPP-3610H)
		programming 2mV, readback 0.1mV (GPP-7250)
	Current	Programming 0.2mA, readback 0.2mA (GPP-3610H)
		Programming 0.1mA, readback 0.1mA (GPP-7250)
Accuracy	Setting/Readback	Voltage: ± (0.03% of reading + 10mV)
		Current: ± (0.3% of reading + 10mA)

Load	Display	Voltage	1-36.50V (GPP-3610H)
			1-72.50V (GPP-7250)
		Current	0-10.20A (GPP-3610H)
			0-5.200A (GPP-7250)
		Power	0-100.00W
	CV Mode	Setting Range	1.500V - 36.50V (GPP-3610H)
			1.500V - 72.50V (GPP-7250)
		Setting/Readback accuracy	≤±(0.1% + 30mV)
		Resolution	10mV
	CC Mode	Setting Range	0 - 10.200A (GPP-3610H)
			0 - 5.200A (GPP-7250)
		Setting/Readback accuracy	≤ ±(0.3% +10mA)
		Resolution	1mA
	CR Mode	Setting Range	1Ω-1kΩ
		Setting/Readback accuracy	≤ ±(3%+1Ω) (voltage≥0.1V, and current≥0.1A)
		Resolution	1Ω

OVP	Power mode	OFF,ON(0.5V-38.0V) (GPP-3610H)
		OFF,ON(0.5V-75.0V) (GPP-7250)
	Load mode	OFF,ON(1.5V-38.0V) (GPP-3610H)
		OFF,ON(1.5V-75.0V) (GPP-7250)
	Setting accuracy	±100mV
	Resolution	100mV
OCP	Power/Load mode	OFF,ON(0.05A-10.50A) (GPP-3610H)
		OFF,ON(0.05A-5.50A) (GPP-7250)
	Setting accuracy	±20mA
	Resolution	10mA

Power Input	AC 100V/120V/220V/230V±10%, 50/60Hz
Dimensions	213 (W) x 145 (H) x 362 (D) mm