RS-232C Adaptor for PSW Series

GUR-001

USER MANUAL

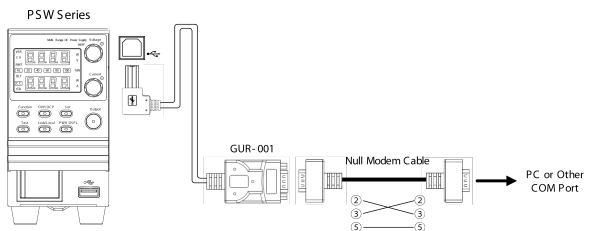**GW INSTEK**

May 2016

GUR-001

Background	This user manual describes how to connect the RS-232C to USB adaptor GUR-001 on the PSW Multi-Range DC Power Supplies. Please note that the GUR-001 is only available for the PSW Series with firmware V1.78 and above.
	The GUR-001 is used to connect the PSW Series to remote equipments that uses RS232 interfaces for remote control purposes. This can be done on a PC with terminal applications such as RealTerm. The PSW then appears as a COM port on the PC.
Connection	1. Connect the USB type B side of the GUR-001 adaptor to the USB port located at the rear panel of the PSW series. You can connect the RS-232 side of the adaptor directly to a RS-232 DCE equipment or use a Null Modem cable to connect towards a RS-232 DTE equipment such as a PC.

Settings

2. The following settings should be applied to the PSW Series in order to properly configure the serial link:

Menu	Description	Settings
F-22	Rear panel USB mode	1 = USB Host
F-71	UART Baud Rate	0 = 1200, 1 = 2400, 2 = 4800, 3 = 9600, 4 = 19200, 5 = 38400, 6 = 57600, 7 = 115200
F-72	UART Data Bits	0 = 7 bits, 1 = 8 bits
F-73	UART Parity	0 = none, 1 = odd, 2 = even
F-74	UART Stop Bits	0 = 1 bit, 1 = 2 bits

⚠️ Note

Menu parameters F-71 to F-74 will appear only when the GUR-001 adaptor is connected to the PSW.

Remote control

3. When correctly configured, the PSW Series appear as a virtual COM port on the PC, and commands can be sent from a PC using a terminal application. Please refer to the PSW Series User Manual and PSW Series Programming Manual for more information about remote monitoring and configuration.

Specifications

Connector	PSW side	USB-B type L-angle
	RS-232C side	D-sub9 Male DTE Inch screws
Length	About 0.3m	
Weight	About 50g	
Power	+5V from the PSW Series	
Firmware	PSW Ver1.78 and above	