

Infrared Communication Adapter

S5004 Instruction Manual

Thank you for purchasing the Shimaden S5004. Please ensure that this instruction manual is given to the final user. Please do not begin operating this product until you have read and understand this manual to use S5004 safely.

The contents of this manual are subject to change without notice.

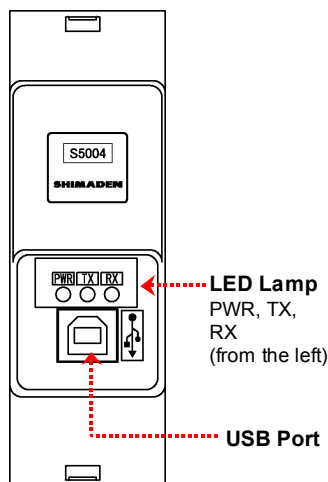
Introduction

S5004 is a Serial Infrared Communication adapter. S5004 enables to set up Shimaden instrument's parameters easily from your personal computer with Parameter Assistant software via the bundled USB cable.

Standard Accessories

S5004 x 1 USB cable (2m) x 1 Set up CD x 1 Instruction Manual x 1

Front View Information



LED Lamp

PWR : Lights when the power to S5004 is supplied. It is supplied from the connected personal computer via a USB cable.

TX : Lights when S5004 is sending data.

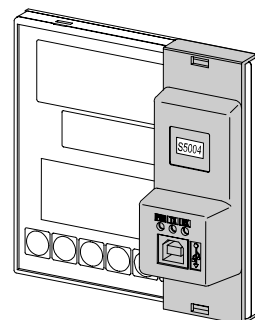
RX : Lights when S5004 is receiving data.

USB Port

A port to connect a USB cable.

How to Use

1. Turn on your computer.
2. For the first time to use S5004, install Parameter Assistant software, which is provided in the bundled Set up CD.
3. Using the bundled USB cable, connect the USB port on S5004 and a USB port on the computer. The PWR LED on S5004 lights.
4. For the first time to use S5004, "Found New Hardware Wizard" (in case of Windows XP or Windows 2000) will be displayed automatically. Then install the USB driver. For details, refer to *Parameter Assistant Instruction Manual* from Parameter Assistant Help menu.
5. Attach S5004 to an instrument as per the right drawing. Adjust infrared interface position on the instrument, push S5004 from the front of the instrument until you hear the click, with the direction that you can read "S5004" name correctly.
6. Set up the instrument parameters using Parameter Assistant software from computer.



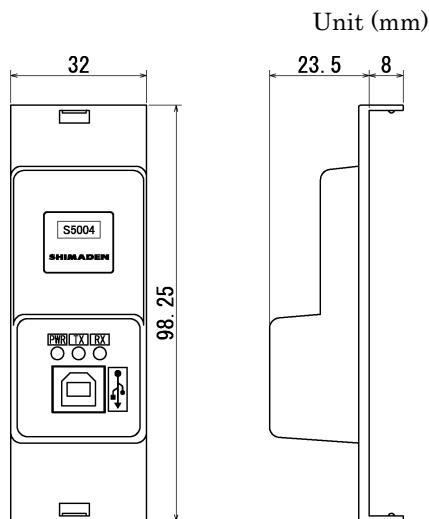
Note: For troubleshooting, refer to the reverse page.

Trouble Shooting Guide and Countermeasure

If you cannot communicate using S5004, please check the followings. Still you have trouble, please contact your local agent or Shimaden.

- Is the USB cable correctly connected ? (Does the PWR LED light ?)
- Is S5004 correctly attached ? (Is the up/down direction correct ? No gaps between S5004 and the instrument ?)
- Have USB driver been installed ? (Is there S5004 name in USB Controllers lines on Windows Device Manager ?)
- Is the serial port number correct ? (Does Parameter Assistant COM number setting conform to the S5004 USB COM number of Windows Device Manager ?)
- Are the communication parameter values same and correct between Parameter Assistant setting and instrument setting ? (The parameters are COM PROT, ADDR, BPS, DATA, PARI, STOP, CTRL, BCC)
- Is the instrument's infrared interface parameter ON ?

Dimensions



Specification

- Unit (mm)
- Product name : Infrared Communication Adapter S5004
 - LED
 - Communication status : RX (Green, Receiving data)
 - : TX (Green, Sending data)
 - Power status : POWER (Green)
 - Communication
 - USB interface
 - Standard : USB1.1
 - Number of connectable devices : 1 (Not allowed to connect two or more instruments to one computer)
 - Infrared interface
 - Communication speed : 9,600bps (Fix)
 - Data format : Data length 7bit
 - Parity EVEN
 - Stop bit 1
 - Communication protocol : SHIMADEN protocol
 - Number of connectable devices : 1
 - General specifications
 - Operating environment conditions
 - Temperature : -10 to 50°C
 - Humidity : 90%RH max. (No dew condensation)
 - Elevation : 2000m above sea level or lower
 - Storage temperature : -20 to 65°C
 - Power voltage : 5V DC (USB bus power system)
 - Power consumption : 30mA max.
 - Case material : PC resin molding (equivalent to UL94V-2)
 - Case color : Black
 - External dimensions : 98.25 x 32.0 x 31.5 mm (H x W x D)
 - Mounting : Fingertip attachment
 - Weight : Approx. 30g (without cable)

Contact

If you have any questions, please contact your local agent or the following e-mail address.

Temperature and Humidity Control Specialists

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