Instruction Manual   TOOL CABLE   CMD-001

This manual contains instructions for functions and usage of the CMD-001. To ensure safe and correct use, thoroughly read and understand this manual before using this cable. To prevent accidents arising from the misuse of this cable, please ensure the operator receives this manual.

Safety Precautions (Be sure to read these precautions before using this cable.)

⚠ **Caution** Indicates procedures which may lead to dangerous conditions and cause superficial to medium injury or physical damage or may degrade or damage the product, if not carried out properly.

⚠ Safety Precautions

(1) Do not confuse the direction of the USB plug when connecting to USB port of a PC. If the plug cannot be inserted smoothly, do not force it as this may damage the plug or port.
(2) Do not bend or pull forcibly or put any heavy object on the cable.
(3) Do not connect or remove this cable during communication. This may cause damage or malfunction.
(4) Do not allow the metallic section of this cable to come into contact with external power terminals.
(5) Do not handle the cable plug with wet hands. This may result in electric shock.
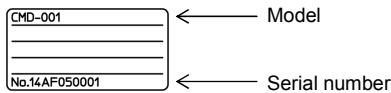
Precautions

⚠ Caution

(1) Ensure the cable is used under the following conditions:
• A minimum of dust, and an absence of corrosive gases
• No flammable, explosive gases
• No mechanical vibrations or shocks
• No exposure to direct sunlight, an ambient temperature of 0 to 50℃ (32 to 122℉) that does not change rapidly, and no icing
• An ambient non-condensing humidity of 35 to 85%RH
• No large capacity electromagnetic switches or cables through which large current is flowing
• No water, oil, chemicals or where the vapors of these substances can come into direct contact with the cable
• Ambient temperature of this cable – not the ambient temperature of the control panel – must not exceed 50℃ (122℉) if mounted within the control panel.
(2) Ensure the USB cable matches the USB port of your PC.
USB cable CUS-100 (sold separately) is recommended.
(3) It sometimes takes time for the PC to identify the cable when the USB plug of the USB cable is connected to the PC. However, this is not a malfunction. Be sure to confirm the COM port number before starting communication.
(4) Use a soft, dry cloth when cleaning this cable.
(Alcohol based substances may deface or tarnish the cable.)
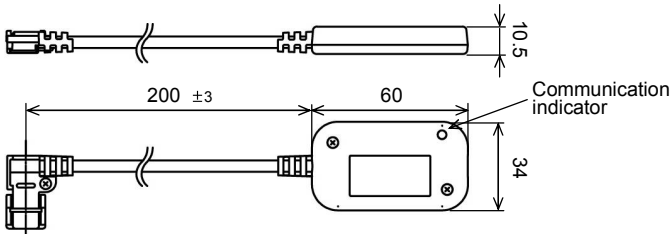
1. Model

1.1 Model
Tool cable

1.2 How to Read the Model Label
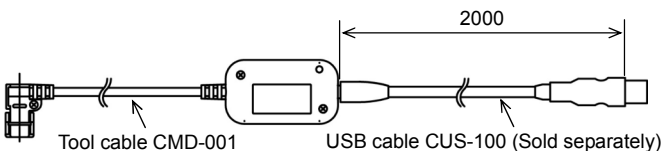The model label is attached to the case.

(Fig. 1.2-1)

2. Names and External Dimensions (Scale: mm)

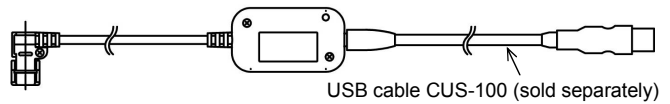Communication indicator (yellow): Lit when sending data to the instrument.

(Fig. 2-1)

When connecting the USB cable CUS-100 (sold separately)

Tool cable CMD-001   USB cable CUS-100 (Sold separately)

(Fig. 2-2)
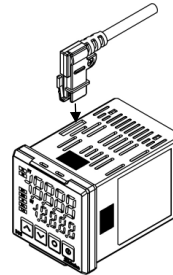
3. Wiring

(1) Connect this cable to a USB cable which matches the USB port of your PC.
USB cable CUS-100 (sold separately) is recommended.

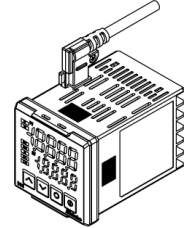USB cable CUS-100 (sold separately)

(Fig. 3-1)

(2) Connect this cable to the Console connector at the top of the instrument.
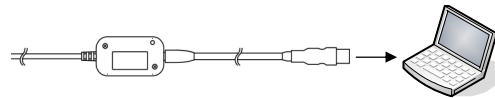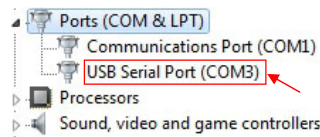See (Fig. 3-2), (Fig. 3-3).
(e.g. BCS2)

(Fig. 3-2)   (Fig. 3-3)

(3) Connect the USB plug of USB cable to the USB port of the PC.

(Fig. 3-4)

(4) Confirm the COM port number.
① Select **[Start]** – **[Control Panel]**, and click.
② Click **[Hardware and Sound]**.
③ Click **[Device Manager].**
④ If **[USB Serial Port (COM3)]** is indicated in the **[Ports (COM & LPT)]**, COM port has been allotted No.3.

(Fig. 3-5)

(5) Close **[Device Manager]**, **[Hardware and Sound]** and **[Control Panel]**.

(6) Start the Console software of the instrument.
For the Console software, download it from Shinko website:
(http://www.shinko-technos.co.jp)
(Registration required.)
For details, consult our sales department.

4. Specification

Rating

USB I/F standard	Corresponds to USB Specification 2.0.
DTE speed	9600/19200/38400 bps
Connector specification	microUSB Type B

Operation Environment

Operating system	Windows 7/8 (Japanese/English)
Personal computer	OS certified PC with USB port (Intel Pentium processor or compatible microprocessor)

General Structure

Case material	PC
Case color	Black
Cable color	Black
Cable length	Standard length: 20 cm

Other

Power source	Bus power (Supplied from PC via USB)
Supply voltage	5 V DC
Power consumption	200 mA max.
Ambient temperature	0 to 50℃
Ambient humidity	35 to 85%RH (Non-condensing)
Weight	Approx. 20 g
Accessories included	Instruction manual: 1 copy
Accessories sold separately	USB cable CUS-100 (microUSB Type B - USB Type A Length: 2 m)