

Specifications of IT-007R RS-232C Communication

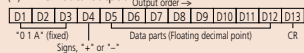
- Output specification: RS-232C compliant
- Communication method: Full duplex
- Communication speed: 2400bps (fixed)
- Bit configuration: Start bit 1
Data length 8
(Most significant bit, 0 (fixed))
Parity: None
Stop bit 1

Flow control: None

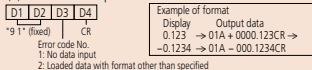
Home position: DCE (modem definition)

• Data format

(1) When data output



(2) Error code output



• Data request signal

Data can be output by transmitting a character from the PC.

• Connector specification and power supply from the PC

This product operates while accumulating the power supplied from the PC. A second or more input interval is required.

Pin No.	Symbol	in/out	Description of functions
1	(N.C.)	—	No connection
2	RXD	OUT	Data output from this product to the PC
3	TXD	IN	Data input from the PC to this product
4	DTR	IN	+12 V power supply from the PC*
5	GND	—	Ground
6	DSR	OUT	Not used
7	RTS	IN	+12 V power supply from the PC*
8	CTS	OUT	Not used
9	(N.C.)	—	No connection

* "4" and "6", "7" and "8" are short-circuited with each other inside this product.

* When connecting to a sequencer, a power supply is required.

Input voltage: Supplied in the range 6 V - 16 V

Power supply terminal: Supplied to pins 4 and 7

Measurement Data Input Unit Input Tool SERIES IT-016U / IT-007R

USB Keyboard Signal Conversion Type IT-016U / IT-007R

The IT-012U, a popular USB input tool that enables easy data recording, has been upgraded. For the same price, usability is improved with extended functionality to help you do inspection work more efficiently.

The IT-016U is equipped with a connector socket for a push-button or switch-foot operation.

Functional improvements include:

- A bigger, easy-to-press data switch. Size increased from $\phi 4$ mm to $\phi 18$ mm. Durability of the push button increases from 1 million to 10 million operations.
- May be used with optional software USB-ITPAK V2.0. Enables efficient routine inspection work, for example, in mass production.

RS-232C Communication Conversion Type IT-007R

Input tool for RS-232C communication best suited for communication control of the software!

Control is available by transmitting data request commands via RS-232C communication.

For example, production engineers can create communication programs to load the measurement data by transmitting a command from the PC.

This product is a compact and low-cost RS-232C communication interface, which is convenient when it is installed in a machine tool or dedicated device to feed back measurement data.

Main Specifications of IT-016U

Supported driver software: Changeable between two types
Output specification: USB2.0 or USB1.0

(1) Stand-alone: HID keyboard device*

(2) Using USB-ITPAK V2.0: Virtual COM port (VCP)

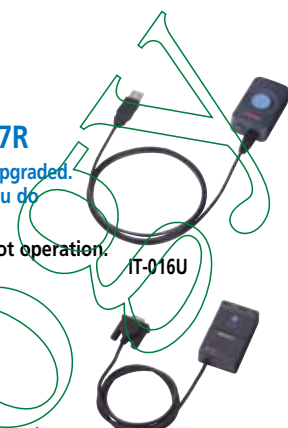
Communication speed: 12Mbps (Full Speed)

Power supply: USB bus power

USB2.0 certificate

Conforms to EMC Directives

* This product is compatible with the standard driver software for Windows. No dedicated driver software is required.



IT-016U

IT-007R

The HID keyboard device (standard driver software for Windows) is automatically recognized when connected to a USB port.

* HID (Human Interface Device)

Foot switch

IT-016U/IT-007R System Configuration

