

Specifications of IT-007R RS-232C Communication

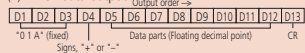
- Output specification: RS-232C compliant
- Communication method: Full duplex
- Communication speed: 2400bps (fixed)
- Bit configuration: Start bit 1
Data length 8
(Most significant bit, 0 (fixed))
Parity: None
Stop bit 1

Flow control: None

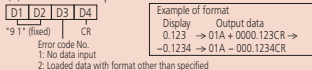
Home position: DCE (modem definition)

• Data format

(1) When data output



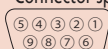
(2) Error code output



• 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-012U / IT-007R

USB Keyboard Signal Conversion Type IT-012U

60,000 units have already been shipped! This input tool has the reliable business performance of the USB keyboard signal conversion models!

The simple specifications of this first USB input tool enable anyone to input the data to a PC without difficulty.

The input tool on the interface box is equipped with connectors for accessible data pushbuttons and foot switches. Although the tool does not have the scalability of the USB-ITN, which controls the data input procedure in conjunction with options, this tool enables anyone to load the data into an active cell.

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-012U

Output specification: USB2.0 or USB1.0

Compatible driver: HID keyboard device*

Communication speed: 12Mbps (Full Speed)

Power supply: USB bus power

USB2.0 certificate

Conforms to EMC Directives

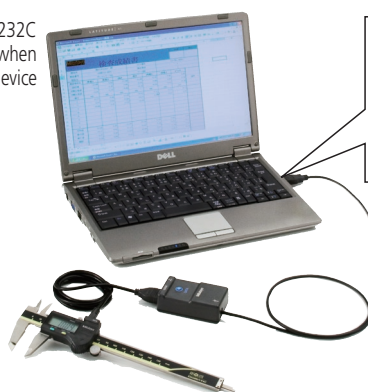
* This product is compatible with the standard driver software for Windows. No dedicated driver software is required.



IT-012U
Introduced April, 2003



IT-007R
Introduced February, 1998



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

* HID (Human Interface Device)

IT-012U/IT-007R System Configuration

