

YJ-300T

USER MANUAL



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1. OUTLINE

This product due to thermal transfer printer, as mobile-specific, portable, simple, general purpose battery is easily replaceable.

1-1.Feature

- Ultra small-sized
- Extremely light weight
- High speed printing
- Paper end detecting and auto loading
- A little noise in printing
- Thermal Print type
- Confirming to RS 232c and IRDA and USB interface.
- 24 and 32, 42 columns are available.
- Self-test and Hex decimal (dump mode) applied
- Graphic printing and bar code function are available.

1-2.APPLICATION

- Instruments and inspection system
- INDICATOR and scale
- F. A. system
- A receipt
- Mobile Printer
- Various data recording

2. OUTER APPEARANCE

2-1. OUTER SIZE



2-2. OUTER DESIGNATION



3. OPERATION

3-1. SPECIFICATION

| ITEMS | SPECIFICATION |
|----------------|--|
| DESIGN | DISK TYPE |
| PRINT METHOD | THERMAL PRINT |
| COLUMNS | 32COLUMNS |
| FONT SIZE | 32COL ENGLISH: 12x24, KOREAN: 24x24 |
| CHARACTER TYPE | ENGLISH, NUMBERS, SPECIAL CHARACTERS |
| BACODE | UPC-A, UPC-E, JAN13, JAN8, Code3939, Code93, Code128, ITF, CODEBAR |
| DOT DENSITY | 203 DPI(8dot/mm) |
| TOTAL DOT 수 | 384 dots/line |
| PRINT SPEED | 50mm/sec |
| PRINT PAPER | 57mm(W) x 40Φ THERMAL ROLL PAPER |
| PRINT WIDTH | 48.0mm |
| DATA BUFFER | 16Kbyte |
| INTERFACE | RS-232C SERIAL, IrDA (BAUDRATE : 2400/9600/19200/115200bps Selector) USB (OPTION) |
| BATTERY TYPE | AA size x 4EA : ALKALINE BATTERY |
| TEMPERATURE | 0 ~ 45℃ (Operation) -10 ~ 60℃ (Storage) |
| LIFE CYCLE * | MECHANISM : 6,000,000 Lines HEAD : 50Km, 100 million pulse MCBF(Mean Cycle Between failure) : 15,000,000 Lines |
| SIZE(mm) | 76 (W) x 131 (D) x 51 (H) |
| WEIGHT | 320g (BATTERY, PAPER Included) |



- Mechanism of the temperature and humidity vary Depending on life are subject.

3-2. SELF-TEST

The self -test mode checks the printers control circuit function, setting parameter, software version, and printer quality.

- ① Before running the self -test, make sure there is sufficient paper.
- ② On pressing FEED S/W, and power ON, starting the self-test.
- ③ Printer becomes ready to receive data from the host.

3-3.DUMP MODE

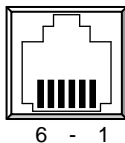
Dump mode checks whether printer receives data correctly from the host or not.

- ① Before running the self -test, make sure there is sufficient paper.
- ② On pressing FEED S/W, and power ON, starting the self-test.
- ④ After ending the self-test, continually press FEED S/W, Then print
“**[HEX DUMP PRINT START]**”
after 2 seconds.
- ⑤ Thought you don't touch any s/w, the printer take out HEXA mode
changed data from host
- ⑥ If power off, printer “s recovered to normal mode

4. CONNECTIONS

4-1.SERIAL INTERFACE

- 1) Serial Connector Specification : RJ-12

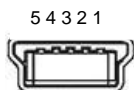


2) Interface Connector Specification or Signal features

| Pin No | 신호명 | 방향 | 기능 |
|--------|-----|--------|---|
| 1 | GND | - | Signal Ground |
| 2 | TXD | output | Transmission data |
| 3 | RXD | input | Receive data |
| 4 | DTR | output | The signal that the printer can receive data Does not denote |
| 5 | N.C | - | No Connection |
| 6 | N.C | - | No Connection |

4-2. USB INTERFACE(Optional)

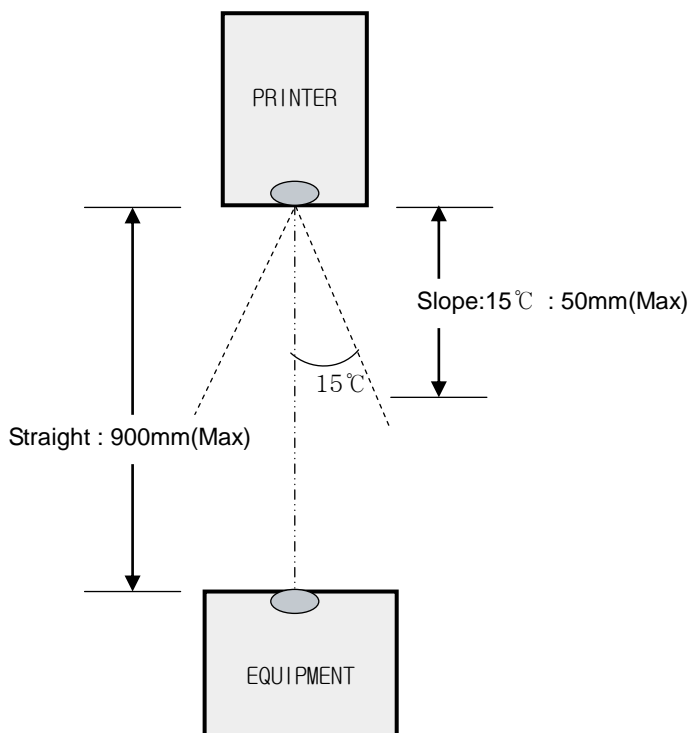
1) USB Connector Specification : Mini B



2) Interface Connector Specification or Signal features

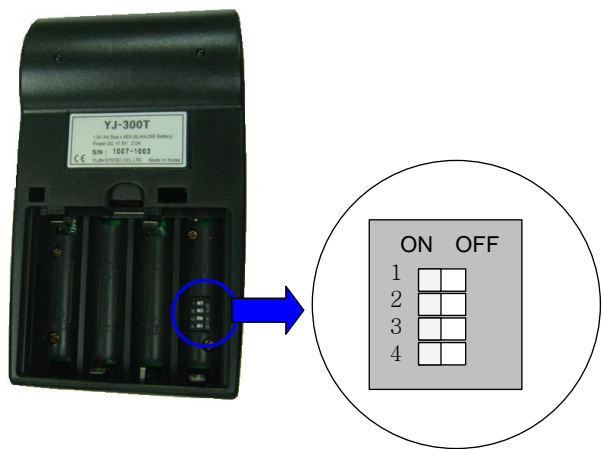
| Pin No | SIGNAL | DIRECTION | FEATURES |
|--------|--------|-----------|--------------------------|
| 1 | Vcc | input | From a 5V input,USB HOST |
| 2 | D - | 양방향 | Data Transmission - |
| 3 | D + | 양방향 | Data Transmission + |
| 4 | - | - | N.U. |
| 5 | GND | - | Signal Ground |

4-3.IrDA COMMUNICATIONS



4-4.DIP SWITCH SPECIFICATION

1) DIP SWITCH LOCATION



2) DIP SWITCH SPECIFICATION

| DIP S/W No. | | Define |
|-------------|-------|---------------|
| S1 | S2 | Buad rate set |
| Open | Open | 9600bps |
| Short | Open | 19200bps * |
| Open | Short | 115200bps |
| Short | Short | 2400bps |
| S3 | S4 | Columns set |
| Open | Open | 32Columns * |
| Short | Open | 42Columns |
| Open | Short | 24Columns |
| Short | Short | 36Columns |

* Default mode on factory - out