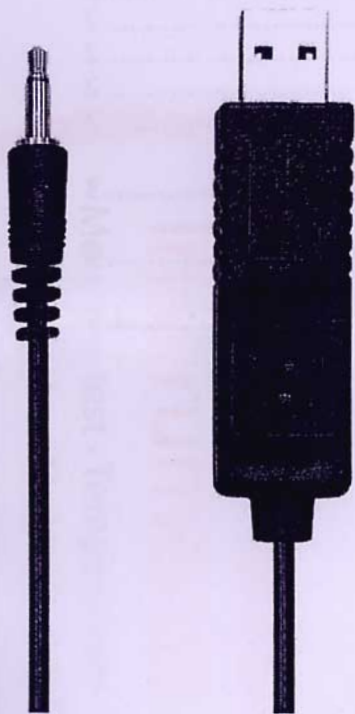


*cable for RS232 interface to USB port*

# USB CABLE



Your purchase of this USB CABLE marks a step forward for you into the field of precision measurement. Although this USB CABLE is a complex and delicate instrument, its durable structure will allow many years of use if proper operating techniques are developed. Please read the following instructions carefully and always keep this manual within easy reach.



**OPERATION MANUAL**

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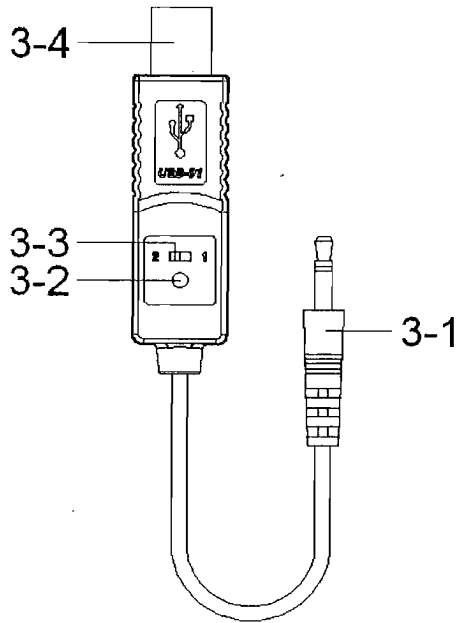
## 1. FEATURES

- \* Computer interface cable, one side connect to meter's RS232 output socket, the other side is the USB plug to connect the computer's USB terminal.
- \* Available for all LUTRON instruments ( built-in RS232 interface ), then meter will have the USB interface ability.
- \* No need battery power.
- \* Type switch to select the Direct RS232 instrument ( replace the UPCB-01 cable ) or Isolate RS232 instrument ( replace the UPCB-02 cable ).

## 2. SPECIFICATIONS

USB type	USB 1.0
Battery	No need
Operating Temperature	0 to 50 °C ( 32 to 122 °F ).
Operating Humidity	Less than 80 % RH.
Weight	33 g/ 0.07 LB.
Accessories Included	* Driver software ( CD-ROM ) ..... 1 PC * Opreation manual..... 1 PC

### 3. FRONT PANEL & LAYOUT DESCRIPTION



- 3-1 Earphone plug
- 3-2 LED indicator
- 3-3 Type switch
- 3-4 USB plug

### 4. DRIVER SOFTWARE SETUP

**There is one CD ROM contained the driver software. Before use the USB cable, should install the Driver software into the computer first.**

#### *Driver software install procedures :*

**Put software driver CD into PC, plug USB interface to PC, then the screen will tell you there is a new hardware interface found, just follow the instruction to install the software driver.**

**After the software driver already install into the computer, the computer will generate a new COM port, for example COM 5, COM 6..... When make the further application of the USB cable, need to check which COM for this USB interface and select that right COM in the screen of the software for communication.**

## 5. OPERATION PROCEDURES

1) One side connect to meter's RS232 output socket, the other side is the USB plug to connect the computer's USB terminal.

If the computer already ON, the " LED indicator " ( 3-2, Fig. 1 ) will light.

2) Select the " Type switch " ( 3-3, Fig. 1 ) to 1 or 2.

*Note :*

*a. Switch 1 : Used for Direct RS232 Instruments, the instruments is built the direct ( not photo couple ) RS232 output interface.*

*b. Switch 2 : Used for cooperating the Isolate RS232 Instruments, the instruments is built the isolate ( photo couple ) RS232 output interface.*

## 6. AVAILABLE INSTRUMENTS for USB-01 CABLE

Isolate RS232 Instruments				Direct RS232 Instruments	
CD-4306	PDT-2250	VT-8204	YK-90HT	AM-4203	PH-207
CD-4322	PH-208	YK-2001PH		AM-4204	PM-9100
DM-9031	PHT-2108	YK-2001TM		AM-4205	PM-9107
DM-9093	PHT-3109	YK-2004AH		AM-4206	PS-9302
DM-9680	PPH-221	YK-2004CD		AM-4206M	TM-906A
DO-5519	RGB-1002	YK-2005AH		AM-4213	TM-907A
DT-2230	SL-4012	YK-2005AM		AM-4216	TM-908
DT-2258	SL-4013	YK-2005CD		CD-4303	TM-910
EM-9000	SL-4112	YK-2005LX		DO-5510	TM-915
HD-3008	TM-2000	YK-2005RH		DO-5511	TM-917
HT-3009	TM-903A	YK-2005TM		FG-5005	TQ-8800
HT-306	TM-926	YK-2005WA		FG-5020	UVA-365
HT-315	TM-929	YK-22CT		FG-5100	UVC-254
LCR-9073	TM-936	YK-22DO		HT-3005	VB-8200
LX-110	TM-939	YK-80AM		HT-3006	VB-8201
LX-1102	TM-946	YK-80AP		LX-105	VB-8202
LX-1108	TM-949	YK-80AS		LX-107	VB-8220
LX-1118	VB-8203	YK-80HT		MS-7000	VC-9200

*Note :*

### **Isolate RS232 Instruments :**

The RS232 interface of the instruments is built the isolate ( photo couple ) circuit.

### **Direct RS232 Instruments :**

The RS232 interface of the instruments is used the direct circuit ( not photo couple ).