

# 1. Outline of the KP-100/KP-200

KP-100/KP-200 is a portable terminal input device which connects to the RS-232 port of the bar code printer without additional power supply. KP-200 also provides another RS-232 port for bar code scanners or other input devices.

For users of CLEVER Series bar code printers, they can design their own label forms with the BASIC high level language and download the forms into the printer's memory. No matter where you go, just connect the KP-100 / KP-200 and the bar code printer. By achieving the real "Stand-alone" operating system, you will accomplish your jobs more conveniently and easily.

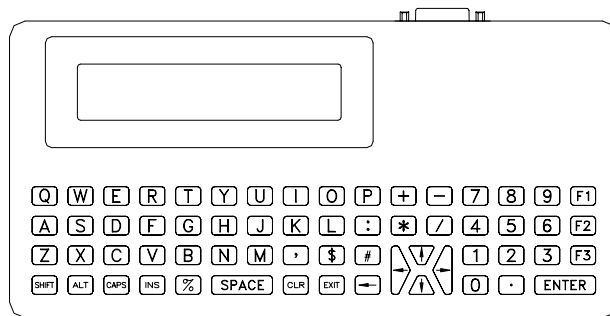


Fig. 1 Layout of KP-100

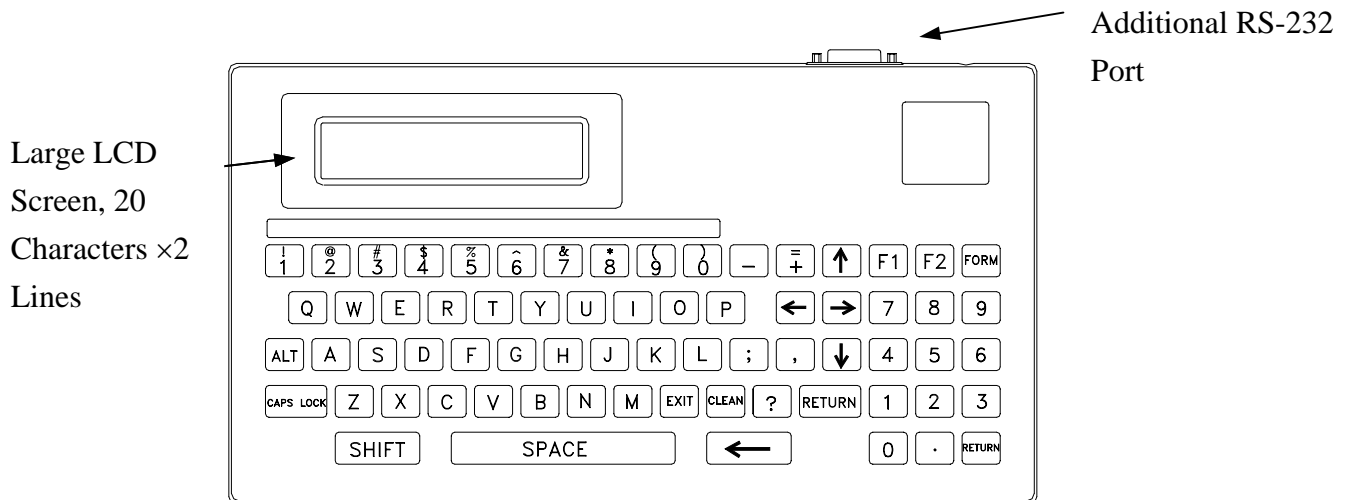


Fig. 2 Layout of KP-200

# 2. KP-100/KP-200 Features

- Portable terminal input device without additional power supply
- 68 large keys layout for KP-200, 62 medium keys layout for KP-100
- Big LCD screen (20 Characters × 2 lines)
- Additional RS-232 port for other input devices (KP-200)
- List the label forms stored in printer memory
- Select forms and print the label
- Input data to print the labels

### 3. Specifications

Size:

KP-100: 195mm(L) × 95 mm (W) × 25 mm(H)

KP-200: 261mm (L) × 142.2 mm (W) × 31mm (H)

Weight:

KP-100: 250g

KP-200: 440g

LCD: STN type, 20 characters × 2 lines

Max. current: 250 mA

Max. power: 361.5 mWatt

Operating temperature: 40°F to 104°F ( 5°C to 40°C )

Storage temperature: -40°F to 140°F ( -40°C to 60°C )

Humidity: 10% to 95% non-condensing

### 4. Installation

- (1) Download the well-designed label forms or programs into printer memory.
- (2) Turn off the printer power
- (3) Connect the cable (com1) of the KP-100/KP-200 to the RS-232 port of the CLEVER printer
- (4) Turn on the printer power.

### 5. Operation

When turns on the printer power, the messages are displayed on the LCD screen as shown below:



Fig. 3 Message of KP-100 when turns on the printer power

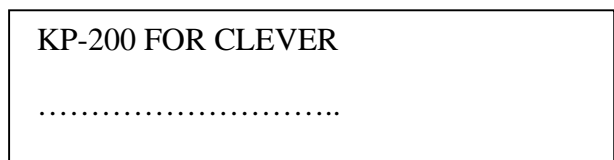


Fig. 4 Message of KP-200 when turns on the printer power

KP-100/KP-200 performs self diagnosis and displays the message as follows:



“F1” = Select Labels

Fig. 5 KP-100 LCD screen



“FORM” = Select Labels

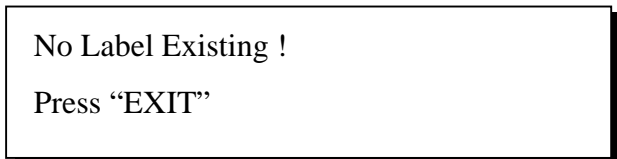
Fig. 6 KP-200 LCD screen

Press the “F1” (KP-100) / “Form” (KP-200) key and ↑ ↓ arrow keys to list stored label forms.

Press “RETURN” key to execute the selected label form.

Follow the prompts which are shown on the LCD screen to print the labels.

If no programs are downloaded in the printer memory, it displays “No Label Existing”



No Label Existing !  
Press “EXIT”

Press “EXIT” key to return to the main menu.

## 6. Function Keys for KP-100/KP-200

Most of the keys are the same as normal keyboard of desktop computer. The followings are the descriptions of the special function keys:

KP-100	KP-200	Functions
F1	FORM	List the label forms downloaded in the printer memory
F2, F3	F1, F2	Reserved
CLR	CLEAR	Clear characters of the line on the LCD screen where cursor located
	ALT	Set the country code and code page parameters of the printer previously. Hold down “ALT” and press the 0~9 keys to get special characters.

## 7. RS-232 Interface and Communication Parameters

(1) The RS-232 port which connects to the bar code printer

The communication parameters of the main RS-232 port is set as following:

Baud Rate : 9600 bps  
Stop Bit : 1  
Data Bits : 8  
Parity : None

(2) The additional RS-232 port which connect to the bar code scanner (KP-200 only)

( I ) The communication parameters of the additional RS-232 port is set as follows:

Baud Rate : 4800 bps  
Stop Bit : 1 or 2  
Data Bits : 8  
Parity : None

( II ) The serial interface of the additional RS-232 port

PIN 1: +5 Volts, 150 mA

PIN 2: N/A

PIN 3: Receive data

PIN 4: Connected with pin 6, 8

PIN 5: Ground

PIN 6: Connected with pin 4, 8

PIN 7: N/C

PIN 8: Connected with pin 2, 6

PIN 9: +5 Volts, 150 mA

- Note:** (1) Be sure to connect well the scanner and keyboard before turn on the printer power  
(2) Please disable the CTS/RTS and Xon/Xoff handshaking of the scanner.  
(3) The scanner should send 0Dh and 0Ah at the end of the data.

## 8. Country Code and Keyboard Layout (KP-200 only)

Country Code	Keyboard Layout									
001	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
002	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
	É	µ	£	¢					½	¼
003	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
	Ñ	ñ							½	¼
031	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
	Ä	ä	£	ë	µ	Ö	ö	Ü	½	¼
032	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
	é	è	£	Ç	µ	à	ù	â	ê	í
033	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
	à	é	£	è	µ	ù	Ç			
034	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
	<u>a</u>	<u>o</u>	Ñ	Ç	ç	ñ				
036	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
	ä	ß	é	ú	ó	Ü	ü	Ö	ö	
038	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
	ä	ß	é	ú	ó	Ü	ü	Ö	ö	
039	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
	à	ù	£	é	è	ò	Ç			
041	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
	à	ä	£	¢	è	é	ü	Ö	Ç	
042	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
	ä	ß	é	ú	ó	Ü	ü	Ö	ö	
044	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
			£							
045	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
	Å	å	£	Æ	æ	ø	Ø		½	¼
046	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
	Å	å	£	Ä	ä	Ö	ö		½	¼
047	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
	Å	å	£	Æ	æ	ø	Ø		½	¼
	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0

048	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
049	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
	Ä	ä	Û	ü	Ö	ö	ß	μ		
055	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
	<u>a</u>	<u>o</u>	£	Ç	ç					
061	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
351	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
	<u>a</u>	<u>o</u>	£	Ç	ç					
	ALT+1	ALT+2	ALT+3	ALT+4	ALT+5	ALT+6	ALT+7	ALT+8	ALT+9	ALT+0
	Å	å	£	Ä	ä	Ö	ö		½	¼