ICT Bill Acceptor Test Tool

Diagnostic Software :

To use this software with your U series and UF Series Bill Acceptor, you will need the

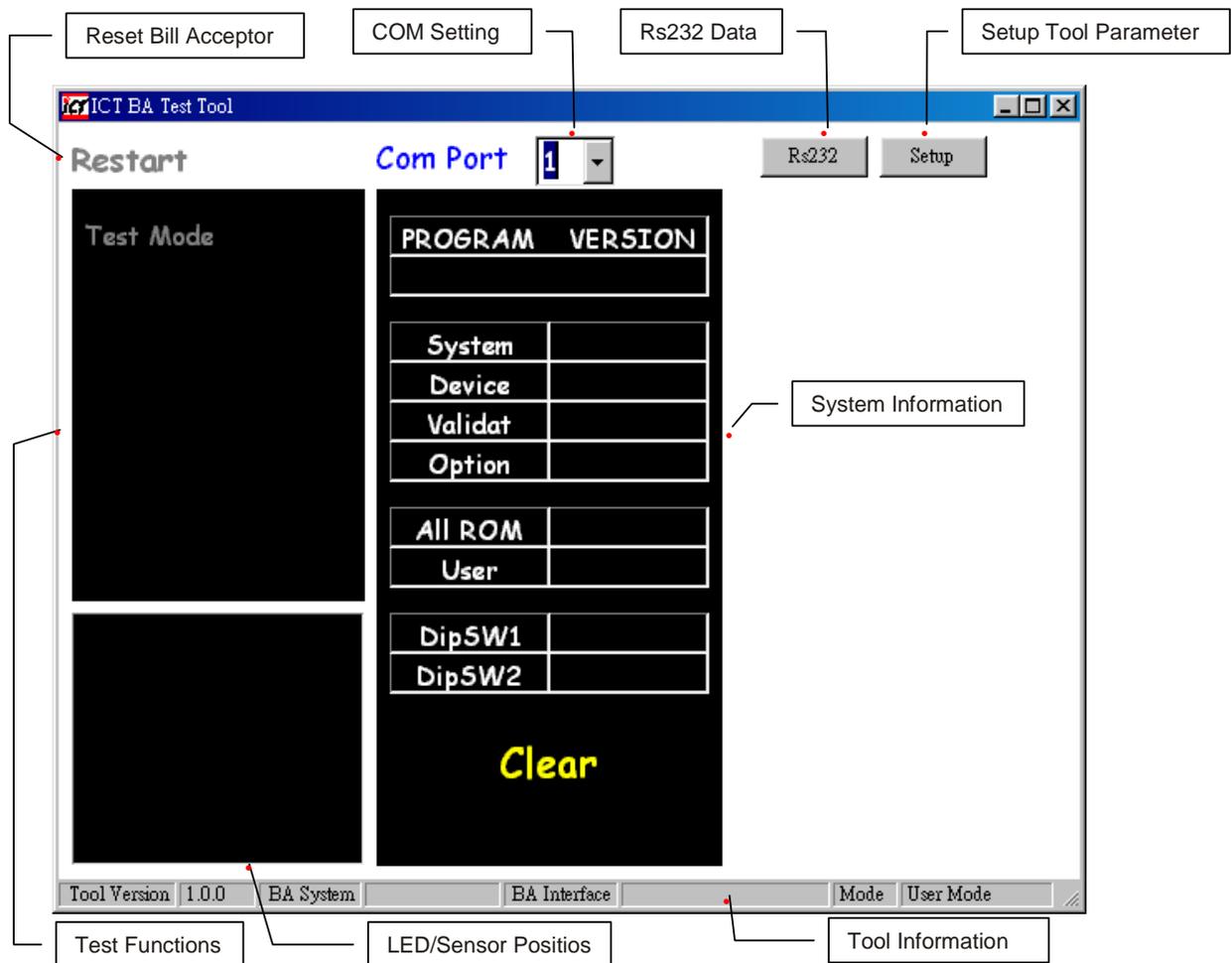**Following :**

1. An available serial port on your computer

2. ICT Programmer (Part Number FP-001)

Wiring

1. Connect the female end of the download cable (WEL-087) to your computer

2. Connect the male end of the download cable to COM2 on the FP-001

3. Connect the RJ45 Cable to FP-001 and the Bill Acceptor

* *Make sure that on the FP-001 switch setting is on L2 and Normal**

Main Screen

Reset

Resets the testing sofware. To reset the bill acceptor, press the PSEST/START button on FP-001.

COM Setting

Changes the COM port which the computer uses.

System Information

This area will show the current firmware version of your bill acceptor.

Press the RESET/START button to retrieve the information.

LED/Sensor Positios

This area will show LED/Sensor Positios according to the current firmware version.

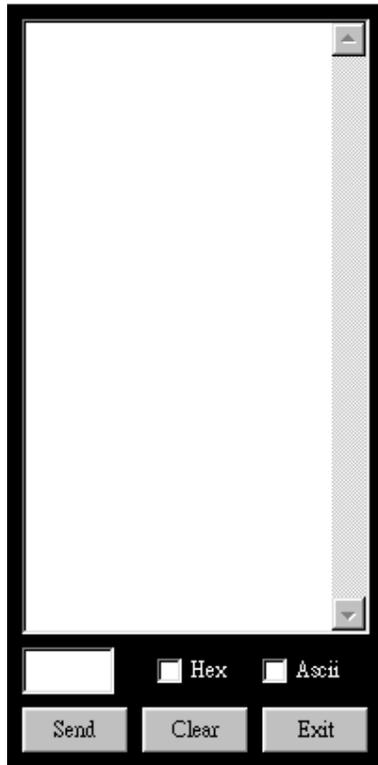Press the RESET/START button to retrieve the information.

Tool Information

This area will show version and use mode of ict test tool.

This area will show a kind of bill acceptor system and interface protocol.

Press the RESET/START button to retrieve the information.

RS232 Data

Display receive rs232 data from bill acceptor, or send rs232 data to bill acceptor.

IO TEST   (Figure 1. All option)

When you click IO Test, this box will appear on the right hand corner of the program window.

Left/Right Input

The bill insertion sensors. When an object is in blocking them, they will display 1.

Pulse

Generate a pulse to emulate credit output.

DipSW1

The dip switch settings for the bank of eight dip switches on the side of the bill acceptor.

DipSW2

The dip switch settings for the bank of four dip switches on the side of the bill acceptor.

Hook Signal

The hook sensor in the back of the bill acceptor
When the sensor is open and unblocked, it will display 0. When an object is blocking the sensor and depressing the teeth, it will display 1.

Stacker Open

When the stacker is correctly attached,
 it will display 0. Otherwise, it will display 1.

Bill Enter

The bill enter at the halfway of the bill path.
When the sensor is open and unblocked,
 it will display 0. When an object is blocking the sensor and depressing the teeth, it will display 1.

Fish Signal

This value should be 0 at beginning and it's value will
 change between 1 and 0 whenever 『S』 is clicked.

Fish LED Status

This value should be 1 at beginning and it's value will
 Change between 0 and 1 whenever 『S』 is clicked.

Exit

Click here to close this dialogue box.

Figure 1

Figure 2

Annotate 1 : When bill acceptor is no supply test option then the option will be hide or allways 0.

(Figure 2. is A7 example)

BILL MOTOR TEST (Figure 1)

When the Bill Motor Test is pressed, this box will

appear on the right side of the program window.

Motor Stop

Stop the motor.

Motor Forward

Move the motor forwards. The speed of the motor

per 20ms will appear in the top of the window.

Motor Backward

Move the motor backwards. The speed of the motor

per 20ms will appear in the top of the window.

Exit

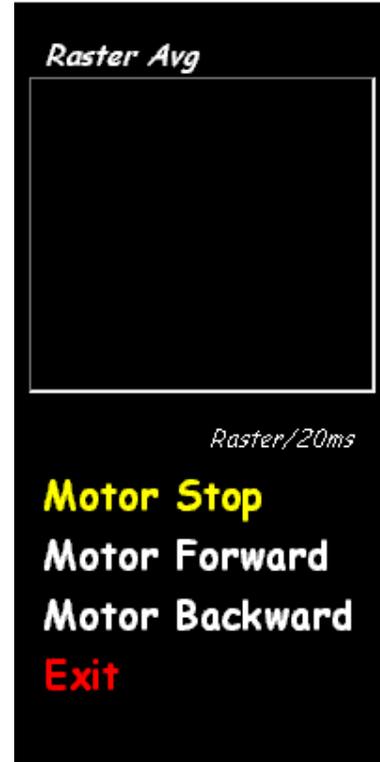Click here to close this dialogue box.

Figure 1

Annotate 1 : The bill motor test result will show on the program window. (Figure 2,3)

Figure 2

Figure 3

STACKER MOTOR TEST

When Stacker Motor Test is clicked, this box will appear

on the right of the program window.

Stacking Active

Stacking motor test. When a successful stack is complete

a 0 will appear in the top of the window otherwise a 1 will appear. ,

Exit

Click here to close this dialogue box.

Figure 1

Annotate 1 : The Stacker motor test result will show on the program window. (Figure 2,3)

Figure 2

Figure 3

SENSOR ADJUST

When Auto Sensor is clicked,
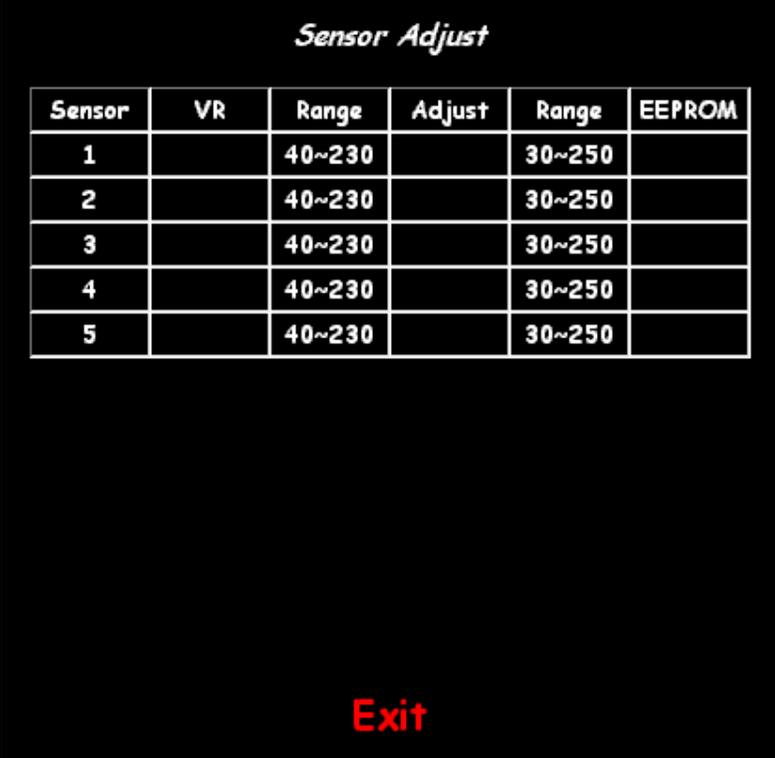this box will appear on the right
of the program window.
Insert the white calibration card
to start the adjusting process.
The bill acceptor will draw the
card in one inch, and return the
white calibration card automatically
when it is finished.
Any defective sensors will be
noted by a red background in
the sensor window.

Exit

Click here to close this dialogue
box.

Sensor Adjust

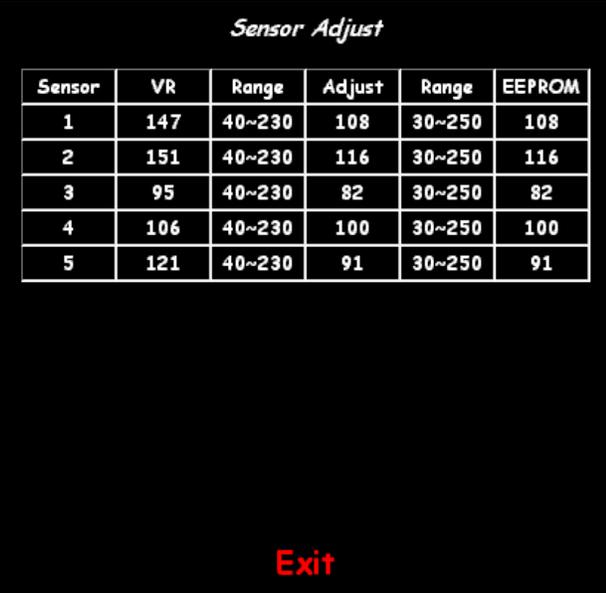| Sensor	VR	Range	Adjust	Range	EEPROM
1		40~230		30~250	
2		40~230		30~250	
3		40~230		30~250	
4		40~230		30~250	
5		40~230		30~250	

Exit

Figure 1

Example:

Figure 2：All sensor is ok.

Figure 3：The Sensor 3,4,5 have problem

Sensor Adjust

Sensor	VR	Range	Adjust	Range	EEPROM
1	147	40~230	108	30~250	108
2	151	40~230	116	30~250	116
3	95	40~230	82	30~250	82
4	106	40~230	100	30~250	100
5	121	40~230	91	30~250	91

Exit

Figure 2
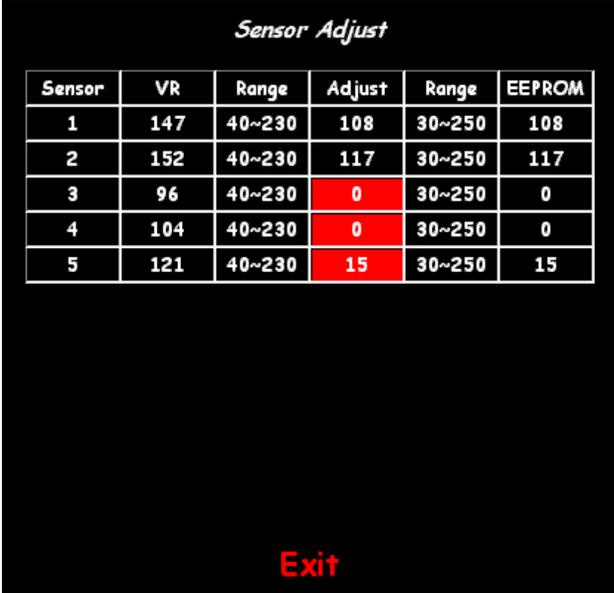
Sensor Adjust

Sensor	VR	Range	Adjust	Range	EEPROM
1	147	40~230	108	30~250	108
2	152	40~230	117	30~250	117
3	96	40~230	0	30~250	0
4	104	40~230	0	30~250	0
5	121	40~230	15	30~250	15

Exit

Figure 3

SENSOR TEST

When Auto Sensor Test is pressed, this box will appear on the right side of the program widow.

AD SENSOR MODE

This value should be zero, if it is not zero Please set the dip switch 8 to OFF.

Then reset this test kit and B.A.

And then enter the SENSOR TEST again.

ALL LED Light

When this button pressed, all the judgement LEDs of the bill acceptor will be turned

You will see the screen on the right.

Any defective sensors will be noted by a red background in the sensor window.

EXIT

Click here to close this dialogue box.

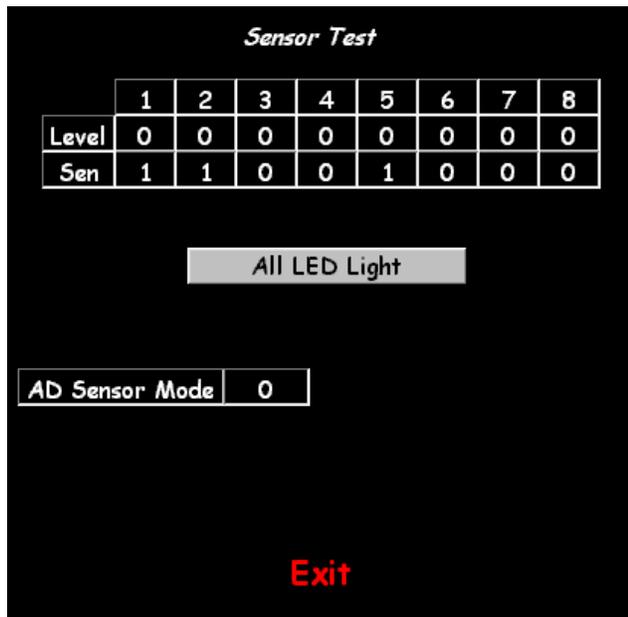Example:

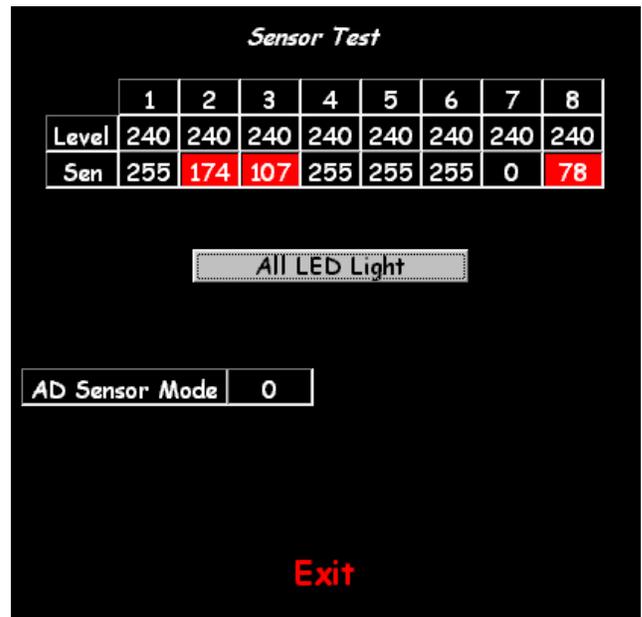Figure 1 : All sensor is ok.   Figure 2 : The Sensor 2,3,8 have problem

Figure 1

Sensor Test

	1	2	3	4	5	6	7	8
Level	0	0	0	0	0	0	0	0
Sen	1	1	0	0	1	0	0	0

All LED Light

AD Sensor Mode   0

Exit

Figure 2

Sensor Test

	1	2	3	4	5	6	7	8
Level	240	240	240	240	240	240	240	240
Sen	255	174	107	255	255	255	0	78

All LED Light

AD Sensor Mode   0

Exit

Figure 1   Figure 2