

\*\*\*\*\* RS-232C PROGRAM \*\*\*\*\*  
- MICROSOFT WINDOWS APPLICATION PROGRAM -

### 1. HARDWARE/SOFTWARE REQUIREMENTS

- . IBM PC/XT/AT OR COMPATIBLE COMPUTER
- . MICROSOFT WINDOWS
- . SERIAL PORT FOR CONNECTION WITH COUNTER

### 2. INSTALLING ON A HARD DISK

- 1) START WINDOWS 3.1, 95, 98 or 2000
- 2) INSERT THE DEMONSTRATION DISKETTE INTO PROPER DRIVE
- 3) MOVE TO FILE MANAGER AND SELECT DRIVE OF THE DEMONSTRATION DISKETTE
- 4) CLICK TO SETUP.EXE FILE
- 5) THE DEMONSTRATION PROGRAM WILL BE INSTALLED AND CREATE DIRECTORY NAMED "COUNTER" AUTOMATICALLY IN HARD DISK

### 3. STARTING

- 1) CONNECT RS-232C CABLE BETWEEN COUNTER AND PORT OF COMPUTER
- 2) TURN ON POWER SWITCH OF THE COUNTER
- 3) START WINDOWS 3.1, 95, 98 or 2000
- 4) CLICK TO COUNTER ICON.
- 5) SELECT THE "MODEL" CONNECTED IN COMPUTER
  - 1.5GHz U/C
  - 150MHz U/C
  - 1.5GHz F/C
  - 150MHz F/C
- 6) PROGRAM IS READY. CLICK TO START BOX TO START COMMUNICATION

### 4. COMMUNICATION

START : STARTS INTERFACING BETWEEN COUNTER AND PC.  
STOP : STOPS INTERFACING

### 5. COMMUNICATION PORT: SERIAL PORT INITIAL SETTING BY BUTTON

PORT : COM1/COM2/COM3/COM4

### 6. OUTPUT DATA FOMAT

- 1) BAUD RATE : 9600BPS
  - 1 start bit (0)
  - 8 data bit
  - 1 stop bit (1)
  - NONE PARITY

- 2) TO Frequency counter

COMMAND	PARAMETER	TERMINATE CODE
'H' : HOLD	'0' : OFF '1' : ON '2' : TOGGLE	CR (0DH)
'G' : GATE	'0' : 0.01 SEC '1' : 0.1 SEC '2' : 1 SEC '3' : 10 SEC	CR (0DH)
'D' : DATA REQUEST	DON'T CARE	CR(0DH)
'F' : FUNCTION SET	N*	CR(0DH)
'R' : REMOTE	'0' : OFF '1' : ON	CR(0DH)

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N* =	0	1	2	3	4	5	6	7
1.5GHz,U/C	FA	FB	FC	PRIOD	TOTAL	NC	RATIO	TI
150MHz,U/C	FA	FB	NC	PRIOD	TOTAL	NC	RATIO	TI
1.5GHz,F/C	FA	NC	FC	PRIOD	TOTAL	RPM	NC	NC
150MHz,F/C	FA	NC	NC	PRIOD	TOTAL	RPM	NC	NC

3) From Frequency counter

DATA UNIT  
 10BYTES include dp 4bytes CR

7. DISPLAY

DATE : DATE OF DATA INPUT  
 TIME : TIME OF DATA INPUT  
 FUNCTION : FUNCTION OF THE COUNTER  
 G.T : GATE TIME OF THE COUNTER  
 HOLD : DATA HOLD OF THE COUNTER  
 MAIN DATA DISPLAY : INPUT DATA OF SIGNAL  
 UNIT : UNIT OF INPUT SIGNAL

8. SPECIAL FUNCTION MENU

RECORD FUNCTION  
 CLICK TO REC AND THEN THE TWO VALUES OF MIN/MAX WILL BE RECORDED  
 AND DISPLAYED.

9. GRAPH

ON : GRAPH STARTS  
 OFF : GRAPH STOPS  
 CLEAR : CLEARING GRAPH  
 SETUP : DEFAULT FOR GRAPH BY SUB-MENU  
 Y Axis : MAX/MIN READING VALUE SETTING  
 X Axis : READING NO. SETTING FROM 280, 350, 700 AND 1400

10. FILE: DATA SAVING AND LOAD

- 1) SAVE : SAVE THE READING DATE TO FILE  
 CLICK TO SAVE AND TYPE PATH NAME, FILE NAME AND SAMPLING TIME.  
 DATA CAN BE STORED OPTIONALLY WITH OR WITHOUT TIME AND UNIT RECORDING.
- 2) LOAD : RETRIEVE THE SAVED DATA FROM FILE  
 TO LOAD THE DATA FROM A FILE, CLICK TO LOAD AND TYPE PATH NAME AND FILE NAME.

Pgdwn AND Pgup IS SHIFTING DOWN AND UP 100 READINGS.  
 PRINT WILL PRINT LIST-UP OF DATA.

11. PRINTER

RDGDATA ON/OFF: START AND STOP PRINTING OF READING DATA  
 SCREEN: STARTS PRINTING OF WINDOW SCREEN

12. DEFAULT SETTING

WHEN EXIT, CLICK TO YES TO SAVE VAUES AS DEFAULT.