C/ Mayor, 53 - Bajo
02500 Tobarra
Albacete-España
Tel. : +34 967 543 548
Fax: +34 967 543 542
info@pce-iberica.es
www.pce-iberica.es

PCE-313 PROTOCOL OF SERIAL INTERFACE

The command of Digital Output is list below:

RS232 command	Function	Remarks
K(ASC 4BH)	Ask for model No.	Return 4 bytes
A(ASC 41H)	Inquire all encoded data	Return encoded 10 byte
H(ASC 48H)	Hold button	
M(ASC 4DH)	MAX/MIN button	
N(ASC 4EH)	Exit MAX/MIN mode	
T(ASC 54H)	TIME button	
C(ASC 43H)	C/F button	
E(ASC 45H)	REC button	
U(ASC 55H)	Dump all memory	
P(ASC 50H)	Load recorded data	
Q(ASC 51H)	Stop send data of memory	

- **Command K:**
  Return 4 bytes of model No. For example, when sends command "K" to meter, it will return "3","1","3", “B”.
- **Command H:**
  Equivalent to one pushing on the HOLD button and no message is returned.
- **Command M:**
  Equivalent to one pushing on the MAX/MIN button and no message is returned.
- **Command N:**
  Equivalent to one pushing and hold the MAX/MIN button for two seconds to exit MAX/MIN mode.
- **Command T:**
  Equivalent to one pushing on the TIME button and no message is returned.
- **Command C:**
  Equivalent to one pushing on the °C/°F button and no message is returned.
- **Command E:**
  Equivalent to one pushing on the REC button and no message is returned.
- **Command U:**
  Return 65536 bytes.
- **Command P:**
  Instead of returning all memory, it only return recorded data.
- **Command Q:**
  Stop sending recorded data, and exit data loading mode.

· **Command A:**

1st BYTE:

The value of first byte is 02H. It represents the start of data string.

2nd BYTE:

bit7	bit6	bit5	Bit4	bit3	bit2	bit1	bit0
Low bat	Auto Power Off	TIME	REC	C/F	HOLD	MAX/MIN	

bit 1 bit 0

0	0	→ normal mode
0	1	→ MAXIMUN mode
1	0	→ MINIMUN mode
1	1	→ calculate MAX/MIN in background mode .

bit 2: 1→ HOLD, 0→ not HOLD.

bit 3: 1→ °F , 0→ °C.

bit 4: 1→ recording mode, 0→ not recording

bit 5: 1→ Indicates the LCD is displaying time.

bit 6: 1→ Auto power off enabled. 0→ Auto power off disabled.

bit 7: 1→ LOW BATTERY , 0→ BATTERY OK

3rd BYTE:

bit7	bit6	bit5	bit4	bit3	bit2	bit1	bit0
sign	OL	sign	OL				Memory full

bit 0: 1→ Memory is full. 0→ Memory is not full.

bit 1: reserved.

bit 2: reserved.

bit 3: reserved.

bit 4: T is OL , 0→ not OL.

bit 5: 1→ T value is minus , 0→ T value is plus.

bit 6: 1→ %RH is OL , 0→ not OL.

bit 7: 1→ %RH value is not available, 0→ %RH value is plus.

4th BYTE: first byte indicates RH value with Binary format.

5th BYTE: last byte indicates RH value with Binary format.

6th BYTE: first byte indicates T value with Binary format.

7th BYTE: last byte indicates T value with Binary format.

8th BYTE: don't care.

9th BYTE: don't care.

10th BYTE: end byte, Its value is 03H, and it is used for end of Data Check.

En esta dirección encontrarán una visión de la técnica de medición:

http://www.pce-iberica.es/instrumentos-de-medida/instrumentos-medida.htm

En esta dirección encontrarán un listado de los medidores:

http://www.pce-iberica.es/instrumentos-de-medida/medidores.htm

En esta dirección encontrarán un listado de las balanzas:

http://www.pce-iberica.es/instrumentos-de-medida/balanzas-vision-general.htm

ATENCIÓN: “Este equipo no dispone de protección ATEX, por lo que no debe ser usado en atmósferas potencialmente explosivas (polvo, gases inflamables).”

Puede entregarnos el aparato para que nosotros nos deshagamos del mismo correctamente. Podremos reutilizarlo o entregarlo a una empresa de reciclaje cumpliendo así con la normativa vigente.

R.A.E.E. – Nº 001932