

How to control electric turntable with PC

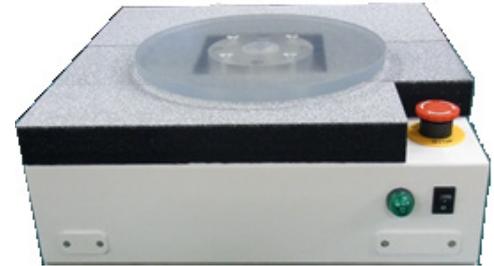
Method to control optional electric turntable with PC

[*Application*]

We sell electric turntable which can be operated with PC as an option and it can be installed in our shield box.

Specifications : Table diameter 200mmΦ, Withstand load 10kg, Power supply by AC adapter, I/F by RS-232C

How to control this electric turntable from PC's terminal software with serial communication will be explained.



[*Solution*]

1. Setting PC terminal software (setting example in Tera Term)

Tera Term: シリアルポート設定

ポート(P): COM4

ボーレート(B): 9600

データ(D): 8 bit

パリティ(A): odd

ストップ(S): 1 bit

フロー制御(F): Xon/Xoff

送信遅延

0 ミリ秒/字(C) 0 ミリ秒/行(L)

OK キャンセル ヘルプ(H)

Tera Term: 端末の設定

端末サイズ(T): 80 x 24

改行コード

受信(R): CR

送信(M): CR+LF

ウィンドウサイズ(S)

自動的に調整(W)

端末ID(I): VT100

ローカルエコー(L)

応答(A):

自動切り替え(VT<->TEK)(U)

漢字-受信(K): UTF-8

漢字-送信(J): UTF-8

7bit カタカナ

漢字イン(N): ^[\$B

漢字アウト(O): ^[[B

ローカル(C): japanese

言語コード(P): 932

OK キャンセル ヘルプ(H)

2. Setting PC terminal software (setting example in Tera Term)

Command	Operand 1	Operand 2	Instruction contents
@ORG	(Nothing)	(Nothing)	Return to origin
@MOVD	Coordinate value (°)	Speed (%)	Coordinate specification & movement execution
@WRITE PRM	It is the input mode of the parameter such as the movement amount and ends with ^ Z.		Write parameters
@X+	(Nothing)	(Nothing)	+Specified amount movement
@X-	(Nothing)	(Nothing)	-Specified amount movement

◆ By using only these commands, you can easily control the turntable with the PC.

For example, you can set the movement amount to 10 ° with "@ WRITE PRM" and rotate by each 10 ° by repeating "@X+".

◆ When the turntable has finished moving, it is possible to output a 24 V positioning completion signal.

By using this positioning completion signal as a trigger, the instrument can start to measure, so that the measurement synchronize with the turntable.

[*System constitution*]

- Electric Turn table (Factory option)