特力材料 886-3-5753170 勝 胜特力电子(上海) 86-21-54151736 胜特力电子(深圳) 86-755-83298787 Http://www. 100y. com. tw

PRECISION MOTOR-POTENTIOMETERS

Motor-Potentiometer

Coupled Potentiometer				Gear Ratio	A Motor		B Motor		C Motor	
No. Pot. Model of No.	(mN•m)				1-turn pot. (Second)	10-turn pot. (Second)	1-turn pot. (Second)	10-turn pot. (Second)	1-turn pot. (Second)	10-turn pot. (Second)
1 CP22, CP50	20 to 30		5	1:41	ON.	177	0.6	4.9	NOY.C	0 <u>N1.</u>
10 25HP-10, 22HHP-10	50	В	6	1:76	CO _{Mr} .	TAL	0.7	6.2	1001	COM
FCP22A, 1 FCP30A, FCP50A	20 to 30		7	1:141	0.9	7.8	1.0	9.8	N.1005	Y.COM
CP22C, CP22	00.45		8	1:262	1.2	11.2	N 1.6	15.7	11.1	or co
1 FCP22AC, FCP22A, FCP30A	20 to 30	В	9	1:485	1.8	17.9	2.9	28.1	M.M.Y.	00X.C
20HP-10S, 10 25HP-10, 20HHP-10S	50		10	1:900	3.2	31.2	6.0	60.0	N H W	Yoo
			11	1:1670	5.6	55.7	9.4	93.8	WW	Q.100
1 CP50, FCP50A	50	M.T	25	1:30.7	W-100	<u>-</u> c0	M-7	-	0.3	2.3
			26	1:54.6	- 10	01-	T.T.	-	0.4	4.0
						No.	<u> </u>	<u>- I</u>		7.0
		C					O'A'A'			12.5
10 46HD-10	01.C				-	109	COM			22.2 39.4
	50					11001				70.1
			32	1:1734	N. N	- 00	1.CUM	W.	12.5	124.7
	Potentiometer No. of Turns Pot. Model No. 1 CP22, CP50 10 25HP-10, 22HHP-10 1 FCP22A, FCP30A, FCP50A 1 FCP22A, FCP22A, FCP22A, FCP22A, FCP30A 1 CP22C, CP22 1 CP22A, FCP30A 20HP-10S, 20HP-10S, 20HP-10S 1 CP50, FCP50A 1 CP50, FCP50A	Potentiometer Torque (mN-m) No. of Turns Pot. Model No. Torque (mN-m) 1 CP22, CP50 20 to 30 10 25HP-10, 22HHP-10 50 1 FCP22A, FCP30A, FCP50A 20 to 30 1 FCP22A, FCP22A, FCP22A, FCP22A, FCP22A, FCP30A 20 to 30 1 CP22C, FCP22A, FCP30A 20 to 30 10 20HP-10S, 20HP-10S 50 1 CP50, FCP50A 50	Potentiometer Torque (mN-m) Code (mN-m) No. of Turns Pot. Model No. (mN-m) Code 1 CP22, (CP50) 20 to 30 (mN-m) B 10 25HP-10, 22HHP-10 50 B 1 FCP22A, FCP50A 20 to 30 B 1 FCP22A, FCP50A 20 to 30 A 1 FCP22A, FCP30A 20 to 30 B 1 20HP-10S, FCP22A, FCP30A 50 B 10 20HP-10S, 25HP-10, 20HHP-10S 50 B 1 CP50, FCP50A 50 C 1 CP50, FCP50A 50 C	Potentiometer furns Pot. Model No. Torque (mN-m) Code Code Gear Code 1 CP22, CP50 20 to 30 5 6 10 25HP-10, 22HHP-10 50 B 6 1 FCP22A, FCP50A 20 to 30 7 7 1 FCP22A, FCP50A 20 to 30 7 8 1 FCP22A, FCP50A 20 to 30 A 9 1 FCP22A, FCP30A 20 to 30 A 9 1 FCP22A, FCP30A 50 B 10 1 Z0HP-10S, 20HP-10S 50 E 26 1 FCP50, FCP50A 50 C 27 1 28 29 30 31 10 46HD-10 50 31 31 <td>Potentiometer Torque (mN-m) Code (mN-m) Gear (Code (mN-m)) Gear (mn-m)) Gear (mn-m) Gear (mn-m)</td> <td>$\begin{array}{ c c c c c c } \hline Potentiometer \\ \hline No. of \\ \hline Iurns \\ \hline No. \\ \hline N$</td> <td>Potentiometer Torque (mN-m) Code (mN-m) Gear Code (mN-m) Gear Code (mN-m) Gear (mN-m) Gear (mN-m) Gear (mN-m) Gear (mN-m) Gear (mN-m) I-turm pot. (Second) 1 CP22, (CP50) 20 to (Second) 50 30 50 1.41 $-$ 10 25HP-10, (Second) 50 B 6 1.76 $-$ 11 FCP22A, FCP30A, FCP50A 20 to (Second) 7 $1:141$ 0.9 7.8 1 FCP22A, FCP50A 20 to (Second) 30 7 $1:141$ 0.9 7.8 1 FCP22A, FCP50A 20 to 30 A 9 $1:485$ 1.8 17.9 1 FCP22A, FCP30A 20 to 30 A B 10 $1:900$ 3.2 31.2 10 $20HP-10S, 25HP-10, 20HP-10S, 25HP-10, 20HHP-10S$ 50 50 111 $1:1670$ 5.6 55.7 11 $CP50, FCP50A$ 50 50 50</td> <td>Potentiometer Torque (mN-m) Code (mN-m) Gear Code Gear Ratio Gear (Second) I-turn pot. (Second) 1-turn pot. (Second) 1-turn pot. (Second)<</td> <td>Potentiometer for turns Pot. Model No. Torque No. Code No. Gear Ratio Gear Ratio $V = V = V = V$ $V = V = V = V$ $V = V = V$ 1 CP22, CP50 20 to 30 20 to 30 50 B 5 $1:41$ 0.6 4.9 10 $25HP-10,$ 22HHP-10 50 B B 6 $1:76$ 0.6 4.9 10 <math>25HP-10, 22HHP-10 50 B B 6 $1:76$ 0.7 6.2 11 FCP22A, FCP50A 20 to 30</math> P B $1:262$ 1.2 11.2 1.6 15.7 11 <math>FCP22A, FCP2A, FCP30A 20 to 30</math> A B 100 $1:90$ 3.2 31.2 6.0 60.0 10 <math>20HP-10S, FCP30A 50 50 50 110 $1:900$ 3.2 31.2 6.0 60.0 11 $1:1670$ <td< math=""></td<></math></td> <td>Potentiometer Torque (mN-m) Code (mN-m) Gear (Code (Code) Gear (Code (Second) Gear (Second) (Mode) (Second) (Mode) (Second) (Mode) (Second) (Mode) (Second) (Mode) (Second) (Mode) (Second) (Mode) (Second) (Mode) (Second) (Mode) (Second) (Second) <</td>	Potentiometer Torque (mN-m) Code (mN-m) Gear (Code (mN-m)) Gear (mn-m)) Gear (mn-m) Gear (mn-m)	$ \begin{array}{ c c c c c c } \hline Potentiometer \\ \hline No. of \\ \hline Iurns \\ \hline No. \\ \hline N$	Potentiometer Torque (mN-m) Code (mN-m) Gear Code (mN-m) Gear Code (mN-m) Gear (mN-m) Gear (mN-m) Gear (mN-m) Gear (mN-m) Gear (mN-m) I-turm pot. (Second) 1 CP22, (CP50) 20 to (Second) 50 30 50 1.41 $ -$ 10 25HP-10, (Second) 50 B 6 1.76 $ -$ 11 FCP22A, FCP30A, FCP50A 20 to (Second) 7 $1:141$ 0.9 7.8 1 FCP22A, FCP50A 20 to (Second) 30 7 $1:141$ 0.9 7.8 1 FCP22A, FCP50A 20 to 30 A 9 $1:485$ 1.8 17.9 1 FCP22A, FCP30A 20 to 30 A B 10 $1:900$ 3.2 31.2 10 $20HP-10S, 25HP-10, 20HP-10S, 25HP-10, 20HHP-10S$ 50 50 111 $1:1670$ 5.6 55.7 11 $CP50, FCP50A$ 50 50 50	Potentiometer Torque (mN-m) Code (mN-m) Gear Code Gear Ratio Gear (Second) I-turn pot. (Second) 1-turn pot. (Second) 1-turn pot. (Second)<	Potentiometer for turns Pot. Model No. Torque No. Code No. Gear Ratio Gear Ratio $V = V = V = V$ $V = V = V = V$ $V = V = V$ 1 CP22, CP50 20 to 30 20 to 30 50 B 5 $1:41$ $ 0.6$ 4.9 10 $25HP-10,$ 22HHP-10 50 B B 6 $1:76$ $ 0.6$ 4.9 10 $25HP-10,22HHP-10 50 B B 6 1:76 0.7 6.2 11 FCP22A,FCP50A 20 to30$ P B $1:262$ 1.2 11.2 1.6 15.7 11 $FCP22A,FCP2A,FCP30A 20 to30$ A B 100 $1:90$ 3.2 31.2 6.0 60.0 10 $20HP-10S,FCP30A 50 50 50 110 1:900 3.2 31.2 6.0 60.0 11 1:1670 $	Potentiometer Torque (mN-m) Code (mN-m) Gear (Code (Code) Gear (Code (Second) Gear (Second) (Mode) (Second) (Mode) (Second) (Mode) (Second) (Mode) (Second) (Mode) (Second) (Mode) (Second) (Mode) (Second) (Mode) (Second) (Mode) (Second) (Second) <

Low-Cost Versions



MPH22A7FCP22E

(1-turn Low-cost type)



MPH30A1022HP-10

WWW.100Y.COM.TW

WWW.100Y.COM.TV

(10-turn Low-cost type)

74		I-turn Low-Cost					1.100	DOM.TW
Model No.		Coupled tentiometer	Torque		Reduction Gear Code		N.100V N	Notor
	No. of Turns	Pot. Model No.	(mN-m)				1-turn pot. (Second)	10-turn pot. (Second)
	1	FCP22E	20 to 30		7	1:141	0.9	7.8
	I	FGF22E	20 10 30		8	1:262	1.2	11.2
MPH22 MPH30			10	A	9	1:485	1.8	17.9
10111100	10	22HP-10	50		10	1:900	3.2	31.2
			.WW.		CO11	1:1670	5.6	55.7

Reduction gears other than above are available on request.

Rated Specifications of Coupled Motor

Model Code	Max. Output P(W)	Starting Torque Mdk (mN•m)	Max. Efficiency (%)	Operating Voltage U(V)	No. Load Speed nL(r.p.m)	- C
А	0.26	0.52	65	6	19,100	
В	0.43	1.55	70	6	10,700	
С	3.1	14	87	6	8,350	MPH22E



B7CP22G

Special specifications of other various types of motor-potentiometers are

(2 ganged pot. is

available on request.

combined

SPECIALLY ORDERED ITEM



We can also supply special electromechanical unit consisting of our motor-pot. and mechanical parts on request.

勝特力材料 886-3-5753170 胜特力电子(上海) 86-21-54151736 胜特力电子(深圳) 86-755-83298787 Http://www. 100y. com. tw

SERVO-AMPLIFIER

Servo-Amplifier for use with Motor-Potentiometer



AP-1231

(Dimensions : 108×74×24.5mm)									
Model No.	Input Impedance	Max.Input Voltage	Gain Range (V/V)	Max. Output Current (Approx.)	Drift (converted into input)	Power Supply Voltage			
AP-1231	> 1M ohm	±10V	0.2 to 80	±1A	< 1mV/ ° C	24V.D.C±10%			

- NOTE: (1) We assume no responsibility on so-called "products liability", unless we are fully noticed of the use or applications and a written confirmation to do so was issued from us.
 - (2) All details given in this home page may be subject to change without notice in order to improve their qualities and designs.
 - (3) For further details, please request us general catalogs on precision potentiometers, dials, servo WWW.100Y.COM components and joystick controllers/foot controllers, respectively and separately.