PRECISION MOTOR-POTENTIOMETERS

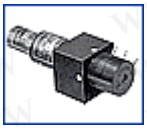
Motor-Potentiometer

>> NOMENCLATURE(JavaScript)

Model No.	Coupled Potentiometer		Slipping Torque (mN·m)	Motor Code	Reduction Gear Code	Reduction Gear Ratio	A Motor		B Motor		C Motor	
	No. of Turns	Pot. Model No.					1-turn pot. (Second)	10-turn pot. (Second)	1-turn pot. (Second)	10-turn pot. (Second)	1-turn pot. (Second)	10-turn pot. (Second)
MPH22	1	CP22, CP50	20 to 30	B	5	1:41	-	-	0.6	4.9	-	-
	10	25HP-10, 22HHP-10	50		6	1:76	-	-	0.7	6.2	-	-
	1	FCP22A, FCP30A, FCP50A	20 to 30		7	1:141	0.9	7.8	1.0	9.8	-	-
MPH30	1	CP22C, CP22	20 to 30	A	8	1:262	1.2	11.2	1.6	15.7	-	-
		FCP22AC, FCP22A, FCP30A		B	9	1:485	1.8	17.9	2.9	28.1	-	-
	10	20HP-10S, 25HP-10, 20HHP-10S	50		10	1:900	3.2	31.2	6.0	60.0	-	-
					11	1:1670	5.6	55.7	9.4	93.8	-	-
MPH35	1	CP50, FCP50A	50	C	25	1:30.7	-	-	-	-	0.3	2.3
					26	1:54.6	-	-	-	-	0.4	4.0
					27	1:97.3	-	-	-	-	0.7	7.0
					28	1:173	-	-	-	-	1.3	12.5
MPH46	10	46HD-10	50		29	1:308	-	-	-	-	2.2	22.2
					30	1:548	-	-	-	-	4.0	39.4
					31	1:975	-	-	-	-	7.0	70.1
					32	1:1734	-	-	-	-	12.5	124.7

Low-Cost Versions

MPH22A7FCP22E
(1-turn Low-cost type)



MPH30A1022HP-10
(10-turn Low-cost type)

Model No.	Coupled Potentiometer		Slipping Torque (mN·m)	Motor Code	Reduction Gear Code	Reduction Gear Ratio	V Motor	
	No. of Turns	Pot. Model No.					1-turn pot. (Second)	10-turn pot. (Second)
MPH22 MPH30	1	FCP22E	20 to 30	A	7	1:141	0.9	7.8
					8	1:262	1.2	11.2
	10	22HP-10	50		9	1:485	1.8	17.9
					10	1:900	3.2	31.2
					11	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)
A	0.26	0.52	65	6	19,100
B	0.43	1.55	70	6	10,700
C	3.1	14	87	6	8,350

MPH22B7CP22G
(2 ganged pot. is

Special specifications of other various types of motor-potentiometers are

available on request.

combined)

SPECIALLY ORDERED ITEM

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

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 components and joystick controllers/foot controllers, respectively and separately.