LOW-COST ITEM

(Wirewound)

Sakae

MODEL 22HP

SENSORES E INSTRUMENTACION GUEMISA S.L. (N.I.F.: B-87969416) C\ De la Fundición 4 Bis - Planta 1º (Bu Oficina-2 28522 Rivas Vaciamadrid (Madrid) Telf. 91 764 21 00 ventas@guemisa.com

Standard Dimensions

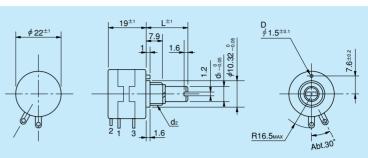


Standard Model Nos.

5-turn models:	
22HP-5	22HP-5M
22HP-5E	22HP-5N
10-turn models:	
22HP-10	22HP-10M
22HP-10E	22HP-10N

Note: Please select the exact model number from the right-side table, because each model number has different shaft dia. and bushing dimensions.

General Specifications



Model No.	Shaft Dimensions		Mounting Screw	Anti-rotation	
	d1	L	d2	D	
22HP-10	<i>φ</i> 6	20.6	3/8-32UNEF	Yes	
22HP-10M	φ6	25.0	M9 P=0.75	No	
22HP-10E	¢ 6.35	20.6	3/8-32UNEF	Yes	
22HP-10N	φ6	20.6	M9 P=0.75	No	

Note: 1. 1 pc. each inner teeth washer and hex nut are attached.

2. Outer dimensions of 5-turn version are same as those of 10-turn.

3. Housing length of 2 ganged version is extended by 19mm.

4. Please process the mounting hole on the panel to be mounted with this potentiometer by the diameter of $10.32 \text{mm}_{-0.05}^{+0.05}$.

Standard Resistance		Max. Torque exerted		
Range:	100 Ω to 50k Ω (5-turn)	on fastening the		
-	100 Ω to 100k Ω (10-turn)	mounting nut to the		
Total Resistance		-	Within 1.0N	•m (10kgf•cm)
Tolerance:	Standard Class $\pm 5\%$ (J)	5	(In case of	panel thickness with
			•	n., the rotating torque
Independent Linearity				· • •
•	5-turn 10-turn	Max Working Voltage:	•	
		-	± 20 n m /	۴
			• •	
Device Deting		waterials:		
Power Rating:	X ,		•	•
			bushing.	
Electrical Travel:				•
Mechanical Travel:	$360^{\circ} \times n^{\pm 10^{\circ}}$ (n: No. of turns)			brass without plating.)
	0		Terminals:	Gold-plated brass
InsulationResistance:	Over 1,000M Ω at 500V.D.C.			(All terminals can be
Dielectric Strength:	1 minute at 1,000V.A.C.			fitted with the AMP
Starting Torque:	Within 10mN • m (100gf • cm)			110 series faston
Stopper Strength:	Approx. 0.35N · m (3.5kgf · cm)			receptacle (2.8× 0.5mm)
				or equivalents.)
		Mass:	Approx. 20g ((Both 5-turn and 10-turn)
Tolerance: Independent Linearity Tolerance: Power Rating: Noise: Electrical Travel: Mechanical Travel: InsulationResistance: Dielectric Strength:	Within 10mN • m (100gf • cm)	bushing: Max. Working Voltage: Resist. Temperature Coefficient of Wire: Materials: Mass:	(In case of over 2.5mm may become 250V ±20p.p.m./ Shaft: Housing case: Bushing: Terminals:	panel thickness n., the rotating to e heavier.) C Stainless steel Glass-filled nylo Glass-filled nylo (For ganged ver the bushing is brass without pla Gold-plated (All terminals of fitted with the 110 series for receptacle (2.8) or equivalents.

Mass:

●Standard Resistance Values ■No. of Wire Turns ■Resistance Wire Used

Resist. Value (Ω)	100	200	500	1k	2k	5k	10k	20k	50k	100k
22HP-5	1,240	1,560	2,000	2,510	2,400	3,200	3,900	4,800	5,500	-
22HP-10	2,100	2,480	3,300	4,000	5,020	5,000	6,400	7,800	10,100	11,000
Resist. Wire Used	Cu-Ni System				Ni-Cr System					

Special Specifications Available

Shaft with front and rear extension (Rear shaft with 6mm dia. and 15mm length), Multi-ganged (Available up to 10 gangs), With high torque, Special shaft dia. (ϕ 3mm, ϕ 3.175mm, ϕ 4mm, ϕ 5mm), Special machining on the shaft, With plastic shaft, Metal bushing type (22HPM-n with anti-rotation pin), 1, 2, 3, 4, 6, 7 and 8-turn versions are available (These versions have same outer dimensions, but general specifications are please request us for details), Simple sealed housing, Slipping-clutch incorporated type (20mN·m~60mN·m), Extra taps (Available up to 1 tap only for 10-turn model), Servomount type (Same dimensions as 22HHPS-10).