



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

"Sakae"

Wirewound & Hybrid Element Precision Potentiometers (Multi-turn)

Helicalohm Potentiometer (Multi-turn, Wirewound)



10HP-10

World's smallest multi-turn pot. Since 1965.



12HPC-10P

Small size, Low-cost, Terminals for p.c. board are available.



20HP-10S

Miniature limit-switch adaptor can be mounted.



22HP-10

Lowest cost multi-turn pot. with snapping-in construction.



46HD-10

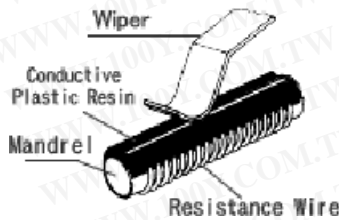
High reliability, manufacturing continuously over 45 years.
With limit-switches incorporated type is available.

Model No.	Dimensions (mm) D x L	Shaft Dia. (mm)	Standard Resistance Range (ohm)	Max. Practical Resistance (ohm)	Independent Linearity (%)	Power Rating (W)	Mechanical Travel (+10° / 0° / -15°)	Electrical Travel (+5° / -5°)	Starting Torque Max. (mN·m)
10HP-5	φ 10.5 x 9.2	4	100-20k	50k	0.35 to 0.2	0.5	1,800 +30° 0°	1,800	3
10HP-10	φ 10.5 x 25.5	4	100-50k	100k	0.25 to 0.1	1.0	3,600 +30° 0°	3,600	3
12HP-5	13 x 25.5	3	100-50k	70k	0.35 to 0.2	0.75	1,800 +15° 0°	1,800	3
12HP-10	13 x 25.5	3	100-100k	150k	0.25 to 0.1	1.5	3,600 +15° 0°	3,600	3
12HP-5P	13 x 25.5	3	100-50k	70k	0.35 to 0.2	0.75	1,800 +15° 0°	1,800	3
12HP-10P	13 x 25.5	3	100-100k	150k	0.25 to 0.1	1.5	3,600 +15° 0°	3,600	3
12HPS-5	13 x 28.5	3	100-50k	70k	0.35 to 0.2	0.75	1,800 +15° 0°	1,800	2
12HPS-10	13 x 28.5	3	100-100k	150k	0.25 to 0.1	1.5	3,600 +15° 0°	3,600	2
12HPC-5	13 x 25.5	3	100-50k	-	0.35 to 0.2	0.75	1,800 +15° 0°	1,800	3
12HPC-10★	13 x 25.5	3	100-100k	-	0.25 to 0.1	1.5	3,600 +15° 0°	3,600	3
12HPC-5P	13 x 25.5	3	100-50k	-	0.35 to 0.2	0.75	1,800 +15° 0°	1,800	3
12HPC-10P★	13 x 25.5	3	100-100k	-	0.25 to 0.1	1.5	3,600 +15° 0°	3,600	3
12HPC-5W	13 x 25.5	3	100-50k	-	0.35 to 0.2	0.75	1,800 +15° 0°	1,800	3
12HPC-10W★	13 x 25.5	3	100-100k	-	0.25 to 0.1	1.5	3,600 +15° 0°	3,600	3

20HP-5S	φ 20 ×18	6	100-50k	100k	0.3 to 0.2	1.0	1,800	1,800	5
20HP-10S	φ 20 ×25.5	6	100-100k	150k	0.2 to 0.1	2.0	3,600	3,600	5
20HPS-5S	φ 20 ×24.5	3	100-50k	100k	0.3 to 0.2	1.0	1,800	1,800	3
20HPS-10S	φ 20 ×32	3	100-100k	150k	0.2 to 0.1	2.0	3,600	3,600	3
22HP-5	φ 22 ×19	6	100-50k	-	0.3 to 0.2	1.0	1,800	1,800	10
22HP-10★	φ 22 ×19	6	100-100k	-	0.25 to 0.1	2.0	3,600	3,600	10
22HP-5M	φ 22 ×19	6	100-50k	-	0.3 to 0.2	1.0	1,800	1,800	10
22HP-10M★	φ 22 ×19	6	100-100k	-	0.25 to 0.1	2.0	3,600	3,600	10
22HP-5E	φ 22 ×19	6.35	100-50k	-	0.3 to 0.2	1.0	1,800	1,800	10
22HP-10E★	φ 22 ×19	6.35	100-100k	-	0.25 to 0.1	2.0	3,600	3,600	10
22HP-5N	φ 22 ×19	6	100-50k	-	0.3 to 0.2	1.0	1,800	1,800	10
22HP-10N★	φ 22 ×19	6	100-100k	-	0.25 to 0.1	2.0	3,600	3,600	10
25HP-5	φ 25 ×29	4 * 6	100-50k	100k	0.3 to 0.2	1.5	1,800	1,800	8
25HP-10	φ 25 ×37.5	4 * 6	100-100k	200k	0.2 to 0.1	2.0	3,600	3,600	8
25HPS-5	φ 25 ×30.5	4	100-50k	100k	0.3 to 0.2	1.5	1,800	1,800	5
25HPS-10	φ 25 ×39	4	100-100k	200k	0.2 to 0.1	2.0	3,600	3,600	5
46HD-3	φ 46 ×38.5	6	10-20k	100k	0.4 to 0.2	2.0	1,080	1,080	20
46HD-5	φ 46 ×38.5	6	20-50k	100k	0.4 to 0.2	2.5	1,800	1,800	20
46HD-10	φ 46 ×56	6	50-100k	200k	0.3 to 0.1	5.0	3,600	3,600	20
46HD-15	φ 46 ×75	6	50-100k	200k	0.3 to 0.1	7.5	5,400	5,400	20
46HD-20	φ 46 ×94.5	6	50-200k	500k	0.3 to 0.1	10.0	7,200	7,200	20

■ The items with mark of "★" is low-cost version. ■ Inch dia. shaft is available on request.

Helicalohm Potentiometer (Multi-turn, Hybrid)



The hybrid resistive element type potentiometer is the newest type potentiometer, which consists of wirewound resistive element overlaying with conductive resistive resin. It offers the merit of a wirewound resistive element and that of a conductive plastic resistive element.



20HHPS-10S

It features high resolution and longer life.

Model No.	Dimensions (mm) D × L	Shaft Dia. (mm)	Standard Resistance Range (ohm)	Resolution	Independent Linearity (±%)	Power Rating (W)	Mechanical Travel (+10° to 0°)	Electrical Travel (±5°)	Starting Torque Max. (mN·m)
12HHP-10	13 ×25.5	3	1k-50k	Essentially Infinite	0.4 to 0.1	1.0	3,600 ^{+15°} _{0°}	3,600	3
12HHP-10P	13 ×25.5	3	1k-50k		0.4 to 0.1	1.0	3,600 ^{+15°} _{0°}	3,600	3
12HHPS-10	13 ×28.2	3	1k-50k		0.4 to 0.1	1.0	3,600 ^{+15°} _{0°}	3,600	2
20HHP-5S	φ 20 ×18	6	1k-50k		0.35 to 0.2	1.0	1,800	1,800	5
20HHP-10S	φ 20 ×25.5	6	2k-100k		0.25 to 0.1	2.0	3,600	3,600	5
20HHPS-5S	φ 20 ×24.5	3	1k-50k		0.35 to 0.2	1.0	1,800	1,800	3
20HHPS-10S	φ 20 ×32	3	2k-100k		0.25 to 0.1	2.0	3,600	3,600	3
22HHP-5		6	1k-50k		0.35 to 0.2	1.0	1,800	1,800	5

	$\phi 22 \times 9$								
22HHP-10 ★	$\phi 22 \times 9$	6	2k-100k	0.25 to 0.1	2.0	3,600	3,600	5	
22HHPS-5	$\phi 22 \times 22$	6	1k-50k	0.35 to 0.2	1.0	1,800	1,800	5	
22HHPS-10	$\phi 22 \times 22$	6	2k-100k	0.25 to 0.1	2.0	3,600	3,600	5	

■ The items with mark of "★" is low-cost version. ■ Inch dia. shaft is available on request.

High-Precision Helicalohm Potentiometer (10-turn, Wirewound)



50HDS-10

Super-precision, high resolution multi-turn pot.

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Model No.	Dimensions (mm) D x L	Shaft Dia. (mm)	Standard Resistance Range (ohm)	Independent Linearity (%)	Power Rating (W)	Mechanical Travel (+10° 0° 0°)	Electrical Travel	Starting Torque Max. (mN·m)
30HDS-10	$\phi 27 \times 60$	3	2k-50k	0.05 to 0.025	2.0	3,600	+20° 0° 3,600	+5° 0° 5
50HDS-10	$\phi 51 \times 64$	6	5k-100k	0.02 to 0.01	5.0	3,600	+10° 0° 3,600	+3° 0° 10

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(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.