

■ General Specifications

Standard Resistance

Range: 100Ω to 50kΩ (5-turn)
100Ω to 100kΩ (10-turn)

Total Resistance

Tolerance: Standard Class ±3%(H)
Precision Class ±1%(F)

Independent Linearity

Tolerance:

	5-turn	10-turn
Standard Class	±0.35%	±0.25%
Precision Class (within 5kΩ)	±0.2% (±0.25%)	±0.1% (±0.15%)

Power Rating: 0.75W (5-turn)
1.5W (10-turn)

Noise: Within 100Ω E.N.R.

Electrical Travel: 360° Xn ±5° (n: No. of turns)

Mechanical Travel: 360° Xn ^{+15°}_{0°} (n: No. of turns)

Insulation Resistance: Over 1,000 MΩ at 500 V.D.C.

Dielectric Strength: 1 minute at 1,000 V.A.C.

Starting Torque: Within 3mN·m (30gf·cm)

Stopper Strength: Approx. 0.15N·m (1.5kgf·cm)

Max. Torque exerted

on fastening the

mounting nut to the

bushing:

Within 0.8N·m (8kgf·cm)

Max. Working Voltage:

450V

Resist. Temperature

Coefficient of Wire:

±20p.p.m./°C

Mass:

Approx. 10g
(both 5-turn and 10-turn)

■ Standard Resistance Values | No. Of Wire Turns | Resistance Wire Used

Resist. Value (Ω)	100	200	500	1k	2k	5k	10k	20k	50k	100k
12HPC-5	9 2 0	1 , 1 9 0	1 , 2 5 0	1 , 5 1 0	1 , 7 9 0	2 , 3 8 0	3 , 1 2 0	3 , 8 0 0	5 , 4 3 0	
12HPC-10	1 , 6 9 0	1 , 8 5 0	2 , 5 6 0	2 , 5 0 0	3 , 0 3 0	4 , 1 7 0	4 , 7 6 0	6 , 2 5 0	8 , 3 3 0	1 0 , 8 7 0
Resist. Wire Used	Cu-Ni System			Ni-Cr System						

■ Special Specifications Available

3-turn type (S12HPC-3), lower resistance values (20Ω, 50Ω), shaft with front and rear extension (rear shaft with 0.8mm dia. and 10mm length), special machining on the shaft, simple sealed housing.

ALTHERIS bv

Scheveningseweg 15
2517 KS DEN HAAG
The Netherlands

+31 (0)70 3924421

+31 (0)70 3644249

Offices in : Benelux | Germany | France | UK | Italy | USA

www.altheris.com

sales@altheris.nl

LEADERS IN SENSORS & HEAVY DUTY JOYSTICKS

ALTHERIS
SENSORS & CONTROLS