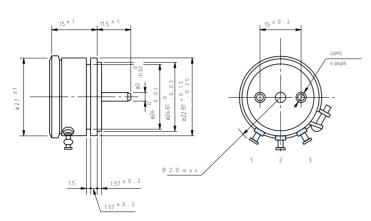




α CP30

Standard dimensions





General Specifications

Standard Resistance		Noise:	Within 100Ω E.N.R.
Range:	50Ω to 20kΩ	Electrical Travel:	355° ±5°
Max. Practical		Mechanical Travel:	360° (Endless)
Resistance Value:	50kΩ	Insulation Resistance:	Over 1,000MΩ at 1,000 V.D.C
Total Resistance		Dielectric Strength:	1 minute at 1,000 V.A.C.
Tolerance:	Standard Class ±3%(H)	Starting Torque:	Within 2mN•m (20gf•cm)
	Precision Class ±1%(F)	Resist. Temperature	
Independent Linearity		Coefficient of Wire:	±20p.p.m./°C
Tolerance:	Standard Class ±0.5%	Mass:	Арргох. 30д
	Precision Class $\pm 0.15\%$		
	$(\pm 0.2\%$ in case of within 5k Ω)		
Power Rating:	0.75W		

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

Resist. Value (Ω)	50	100	200	500	1k	2k	5k	10k	20k	🔆 50k
No. Of wire turns	310	390	500	420	600	770	1,090	1,400	1,800	2,670
Resist. Wire used	Cu-Ni System				Ni-Cr System					

Note: Mark 🔆 shows value at special higher practical resistance

Special Specifications Available

Lower resistance values $(10\Omega, 20\Omega)$, extra taps (available up to 3 taps), multi-ganged (available up to 5 gangs. Housing length is extended by 8.5mm per gang), shaft with front and rear extension (rear shaft with 3mm dia. and 10mm length), with stopper (rotating angle becomes 330° and stopper strength is $0.3N \cdot m$ [3kgf · cm]), special electrical travel, shaft dia. (ø3.175mm) with inch dimensions, special machining on the shaft.

Page 1/1

The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification. Althen – Your expert partner in Sensors & Controls | althensensors.com

Althen stands for pioneering measurement and custom sensor solutions. In addition we offer services such as calibration, design & engineering, training and renting of measurement equipment.

Germany/Austria/Switzerland info@althen.de

Benelux sales@althen.nl **France** info@althensensors.fr Sweden info@althensensors.se USA/Canada info@althensensors.com **Other countries** info@althensensors.com