α CP45
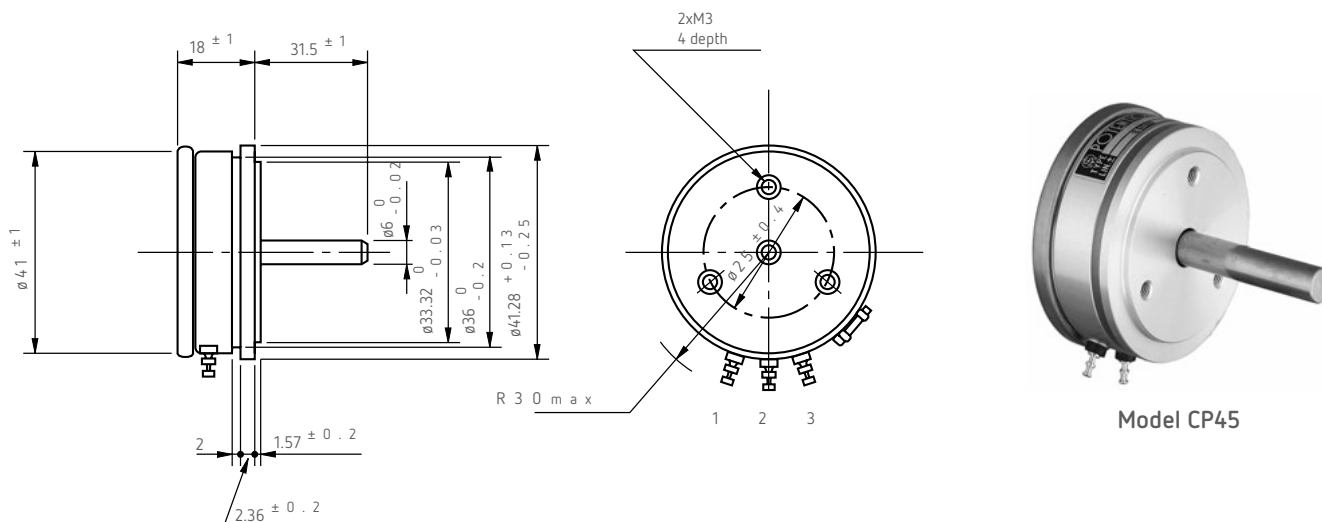
Standard dimensions

Model CP45

General Specifications

Standard Resistance Range: 50Ω to 20kΩ

Max. Practical Resistance Value: 50kΩ

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

Independent Linearity Tolerance:
Standard Class ±0.5%
Precision Class ±0.1%

Power Rating: 1.0W

Noise: Within 100Ω E.N.R.
Electrical Travel: 355° ±3°
Mechanical Travel: 360° (Endless)
Insulation Resistance: Over 1,000MΩ at 1,000 V.D.C
Dielectric Strength: 1 minute at 1,000 V.A.C.
Starting Torque: Within 4mN·m (40gf·cm)
Resist. Temperature Coefficient of Wire: ±20p.p.m./°C
Mass: Approx. 90g

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	450	570	720	950	820	1,040	1,430	1.790	2,280	3,100
Resist. Wire used	Cu-Ni System				Ni-Cr System					

Note: Mark ✦ shows value at special higher practical resistance

Special Specifications Available

Lower resistance values (10Ω, 20Ω), extra taps (available up to 5 taps), multi-ganged (available up to 7 gangs. Housing length is extended by 12mm per 1 gang), shaft with front and rear extension (rear shaft with 6mm dia. and 15mm length), bushingmount type, with stopper (rotating angle becomes 330° and stopper strength is 0.9N·m [9kgf·cm]), special electrical travel, shaft dia. (ø6.35mm) with inch dimensions, special machining on the shaft.

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