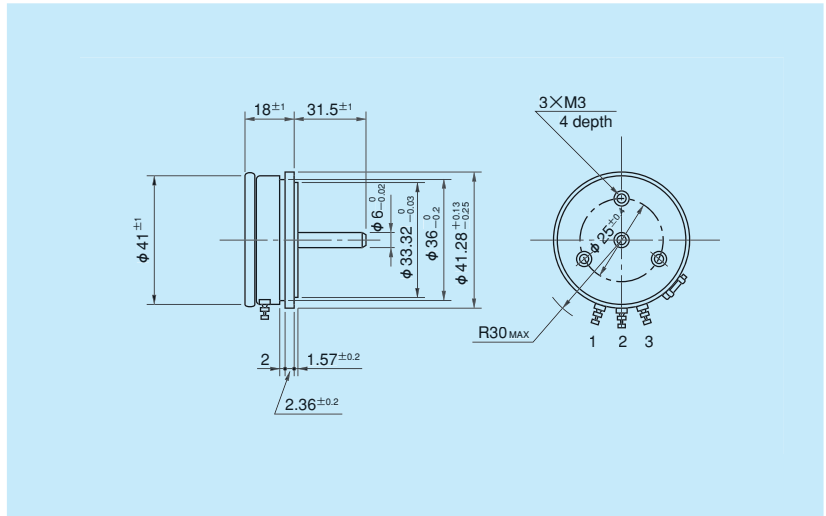


# MODEL CP45

● Wirewound ● Servomount ● RoHS Compliant

## ● Standard Dimensions



1-Turn ▶ Contact type ▶ Wirewound

## ● General Specifications

|  |  |
|--|--|
| <b>Standard Resistance Range</b>       | 50,100,200,500,1k,2k,5k,10k,20k $\Omega$   |
| <b>Max. Practical Resistance Value</b> | 50k $\Omega$   |
| <b>Total Resistance Tolerance</b>      | Standard Class $\pm 3\%$ (H)<br>Precision Class $\pm 1\%$ (F)  |
| <b>Independent Linearity Tolerance</b> | Standard Class $\pm 0.5\%$<br>Precision Class $\pm 0.1\%$<br>( $\pm 0.2\%$ in case of within 2k $\Omega$ ) |
| <b>Power Rating</b>                    | 1.0W   |

|   |                                     |
|---|-------------------------------------|
| <b>Noise</b>                              | Within 100 $\Omega$ E.N.R.          |
| <b>Electrical Travel</b>                  | 355° $\pm 3^\circ$                  |
| <b>Mechanical Travel</b>                  | 360° (Endless)                      |
| <b>Insulation Resistance</b>              | Over 1,000M $\Omega$ at 1,000V.D.C. |
| <b>Dielectric Strength</b>                | 1 minute at 1,000V.A.C.             |
| <b>Starting Torque</b>                    | Within 4mN · m (40gf · cm)          |
| <b>Resistance Temperature Coefficient</b> | $\pm 20$ p.p.m./ $^\circ\text{C}$   |
| <b>Mass</b>                               | Approx. 55g                         |

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

| Resist. Value ( $\Omega$ ) | 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 |     |     |     | Ni-Cr |       |       |       |       |       |

Note: Mark ※ shows special high resistance value.

## ● Special Specifications Available

(In the case of the potentiometer with special specifications, the general specifications and environmental specifications may change. Please consult us in advance.)

- Lower resistance values (10  $\Omega$ , 20  $\Omega$ )      ● 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 is 330° and stopper strength is 0.9N · m [9kgf · cm])
- Special electrical travel      ● Shaft dia. ( $\phi 6.35$ mm) with inch dimension      ● Special machining on the shaft