RUGGED CONSTRUCTION and Shaft Seals for Protection in Factory Environments

Precious Metal Wipers Insure High Performance and Low Noise

Plastic Film Element Reduces Wear for Extremely Long Life

**RP100 SERIES**

RP101-360 shown smaller than actual size with DP41-E Meter (See Section D)

RP100 Series rotary potentiometers are used in a variety of rotary feedback and position indicating circuits. Available in servo-mount styles, these units provide long life by utilizing a conductive plastic film, precious metal wipers, and shielded ball bearings on a stainless steel shaft. The plastic film element provides exceptionally long life without sacrificing linearity or resolution.

**SPECIFICATIONS**

- **Resistance:** 5000 Ω ±20%
- **Linearity:** ±0.1% FS
- **Hysteresis:** 0.01°
- **Resolution:** Infinite
- **Wiper Current (max):** 1.0 µA
- **Temp. Range:** -55 to 215°C (-67 to 257°F)
- **Temp Effects:** 5% max. from -55 to 125°C (-67 to 257°F)
- **Mechanical Travel:** 360°
- **End Play:** 0.127 mm (0.005") max.
- **Backlash:** 0.01°
- **Radial Play:** 0.025 mm (0.001") max.
- **Shaft Runout:** 0.025 mm (0.001") max.
- **Operating Speed (max.):** 10000°/Sec
- **Rotational Life:** 100 million operations
- **Dither Life:** 500 million cycles (±1 degree @ 50 Hz)

**FUNCTION**

**MODEL NO.** | **PRICE** | **FUNCTION** | **ANGLE(°)** | **COMPATIBLE METER**
--- | --- | --- | --- | ---
RP101-360 | $360 | 340 ±2° | DP41-E
RP102-360 | 360 | 345 ±2° | DP41-E
RP103-360 | 400 | 350 ±2° | DP41-E
RP104-360 | 400 | 353 ±2° | DP41-E

*5 to 95% of theoretical travel. Comes with complete operator’s manual.

**Ordering Example:** RP103-360, rotary potentiometer with 350° ±2° angular displacement function, plus DP41-E, meter, $400 + 545 = $945

Most Popular Models Highlighted!
More than 100,000 Products Available!

- **Temperature**

- **Flow and Level**
  Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

- **pH and Conductivity**
  Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

- **Data Acquisition**

- **Pressure, Strain and Force**
  Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

- **Heaters**

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