

ROTARY POTENTIOMETERS FOR ANGULAR DISPLACEMENT MEASUREMENT



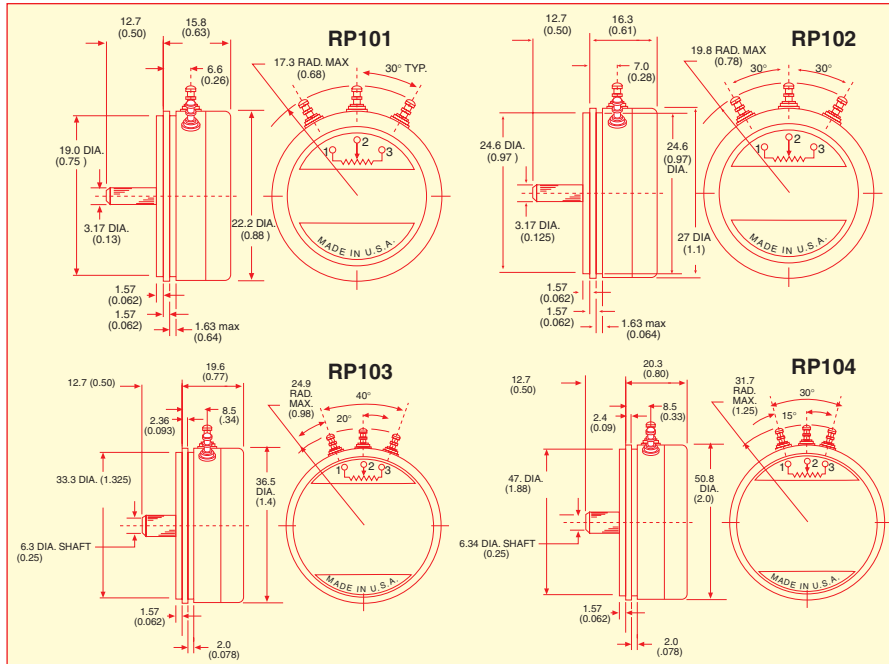
RP100 SERIES

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

RP101-360
\$360
Model Shown

- ✓ 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

Dimensions in mm (in.)



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)

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

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.

**See page D-15 for compatible meter

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



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• Flow and Level

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters