

# Panel Potentiometer

## Model P232 / P233



### Features:

- 24 mm rotary
- Sealed / dust proof
- Long life element
- 2 million cycle life
- Metal shaft / bushing



## Model Styles Available

Side Adjust, Solder Lugs, Single-Gang	P232
Side Adjust, Solder Lugs, Dual-Gang	P233

## Electrical

Resistance Range, Ohms	1K-1M (for "B" taper) 5K-1M (for other tapers)
Standard Resistance Tolerance	± 10%
Residual Resistance	3 ohms max.
Input Voltage, Maximum	200 Vdc max.
Power rating, Watts	0.5W- B taper, 0.3W- others
Dielectric Strength	500Vac, 1 minute
Insulation Resistance, Minimum	100M ohms at 1,000Vdc/ 1 minute
Peak Noise (Contact Resistance Variation) @ 6 rpm	±3% max.
Linearity	±3% max.
Actual Electrical Travel, Nominal	280°
Gang Error	±3dB (-40dB to 0dB)

## Mechanical

Total Mechanical Travel	300°± 5°
Static Stop Strength, Minimum	120 oz-in
Rotational Torque, Maximum, Single Gang (P232)	1.5 oz-in
Rotational Torque, Maximum, Dual Gang (P233)	3.0 oz-in

## Environmental

Operating Temperature Range	-10°C to +85°C
Rotational Life	2,000,000 cycles

### General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

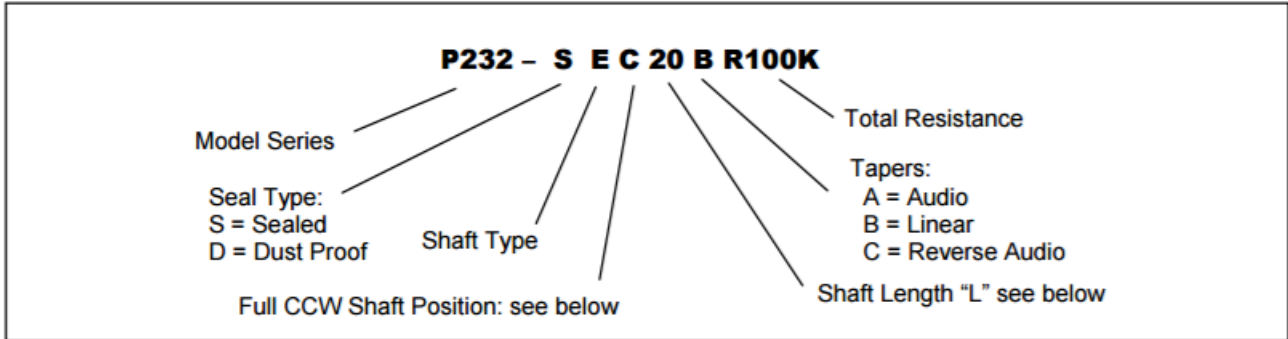
TT Electronics | BI Technologies  
4200 Bonita Place, Fullerton, CA USA 92835 | Ph: +1 714 447 2345  
www.ttelectronics.com | sensors@ttelectronics.com

# Panel Potentiometer

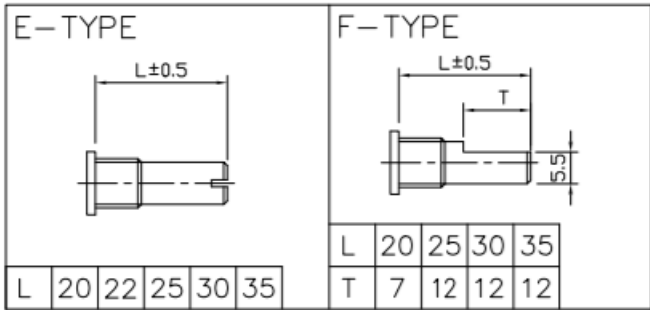
Model P232 / P233



## Ordering

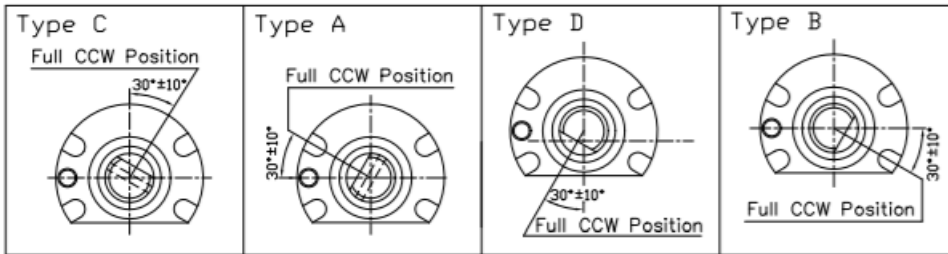


### Shaft Types



### Shaft Position (F-Type Shaft)

Dashed lines on Type "C" and Type "A" shows position of adjustment slot for E-Type shaft



### STANDARD RESISTANCE VALUES, OHMS

500    1K    2K    5K    10K    20K    50K    100K    200K    500K    1 M

#### General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

TT Electronics | BI Technologies  
4200 Bonita Place, Fullerton, CA USA 92835 | Ph: +1 714 447 2345  
www.ttelectronics.com | sensors@ttelectronics.com

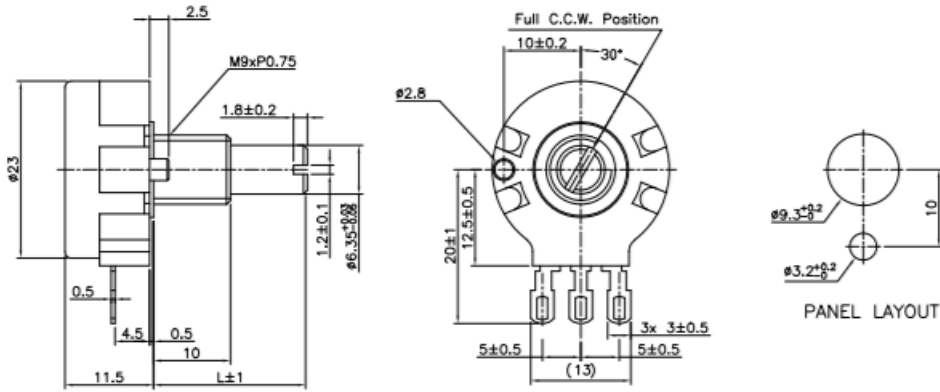
# Panel Potentiometer

Model P232 / P233

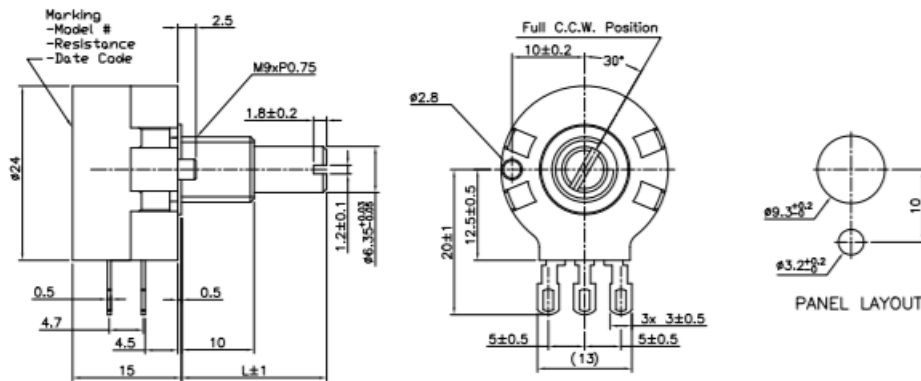


## Outline Drawings

**Model P232**

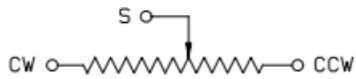


**Model P233**

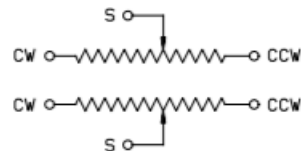


## CIRCUIT DIAGRAM

**P232 (Single gang)**



**P233 (Dual gang)**



General Note  
 TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

TT Electronics | BI Technologies  
 4200 Bonita Place, Fullerton, CA USA 92835 | Ph: +1 714 447 2345  
 www.ttelectronics.com | sensors@ttelectronics.com