

Model 25 (PR1) 46 mm Diameter, 20 Turn Dial



FEATURES

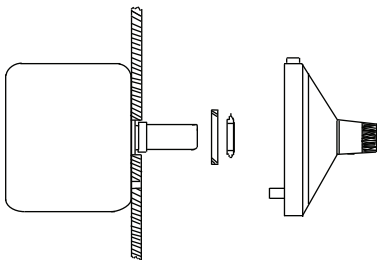
- Large package size
- For use with precision potentiometers or other devices, up to 20 turns
- Excellent readability
- Precision feel - no backlash
- Cast housing
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912



| QUICK REFERENCE DATA | |
|----------------------|----------------|
| Sensor type | DIALS |
| Market appliance | Industrial |
| Dimensions | 46 mm diameter |

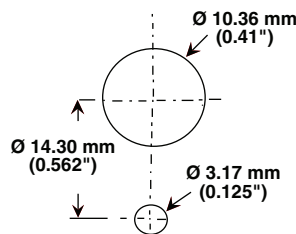
| MECHANICAL SPECIFICATIONS | |
|--------------------------------|--|
| Accepts Shaft Diameter | 6.35 mm (0.250")/6 mm/3.17 (0.125")/3 mm |
| Number of Turns | 0 to 20 |
| Dial Division | 100 per turn |
| Torque with Brake Engaged | 5 oz. - in (350 g - cm) min. |
| Markings | Black on satin chrome |
| Weight | 75 g |
| Set Screw | UNC 4-40 |
| Hex Key Size | 1.27 mm (0.05") |
| Bushing Extension Beyond Panel | 6.35 mm (0.250") max. |
| Shaft Extension Beyond Panel | 18.1 mm (0.710") min. 22.5 mm (0.925") max. |

DIMENSIONS in millimeters (inches)

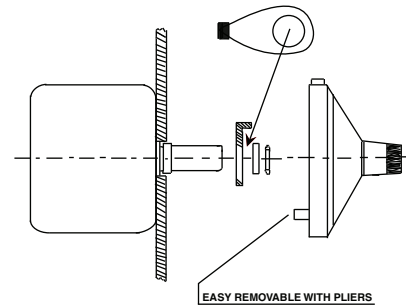


Using the existing Antirotation Lug

1. Drill 3.2 mm (0.125) diameter antirotation pin hole on vertical centerline 14.3 mm (0.562) below center of potentiometer mounting hole.
2. Mount potentiometer shaft counterclockwise to obtain minimum resistance or voltage ratio. This is not necessarily identical with the mechanical stop.
4. Loosen set screws in knob of dial. Set dial. Set dial to "0.0" reading.
5. While holding outer ring of dial, position unit lightly against panel. Tighten knob set screws to potentiometer shaft.



PANEL HOLE PATTERN



Using the Antirotation Device

1. Remove antirotation lug from dial by using pliers.
2. Mount potentiometer in panel with antirotation device nut (supplied with dial) and lockwasher (supplied with potentiometer).
3. Turn potentiometer shaft counterclockwise to obtain minimum resistance or voltage ratio. This is not necessarily identical with the mechanical stop.
4. Loosen screws in knob of dial. Set dial to "0.0" reading.
5. While holding outer ring of dial, position unit lightly against panel. Tighten knob set screws to potentiometer shaft.

| ORDERING INFORMATION/DESCRIPTION | | | | |
|----------------------------------|---|---|-------------|-------------|
| 25 | A | 11 | B010 | e |
| MODEL | SHAFT DIAMETER ACCOMMODATION AND FIXINGS | FINISH | PACKAGING | LEAD FINISH |
| Example: 25 - A - 11 | A 1/4" dia. shaft - 1 set screw B 6 mm metric bore - 1 set screw C 1/8" dia. shaft -1 set screw D 3 mm metric bore - 1 set screw | 11 Satin chrome, black markings (standard) 21 Black chrome, white markings 41 Satin chrome, white markings | | |

| SAP PART NUMBERING GUIDELINES | | | |
|-------------------------------|----------------|-----------|------------|
| 25 | A | 11 | B10 |
| MODEL | SHAFT DIAMETER | FINISH | PACKAGING |



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