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



FEATURES

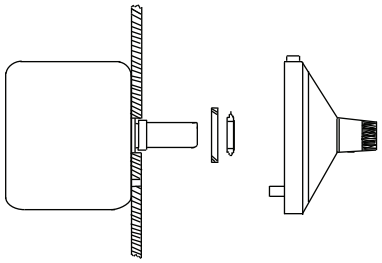
- Large package size
- For use with precision potentiometers or other devices, up to 20 turns
- Excellent readability
- Precision feel - no backlash
- Cast housing
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912

RoHS COMPLIANT

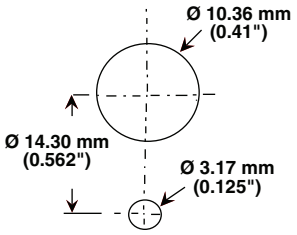
QUICK REFERENCE DATA	
Sensor type	DIALS
Market appliance	Industrial
Dimensions	46 mm diameter

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 Srew	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.

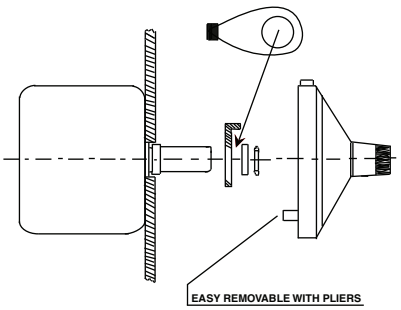
DIMENSIONS in millimeters (inches)



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
	A 1/4" dia. shaft - 1set 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		

Example: 25 - A - 11

SAP PART NUMBERING GUIDELINES

25	A	11	B10
MODEL	SHAFT DIAMETER	FINISH	PACKAGING

For technical questions, contact: sferprecisionpot@vishay.com
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