



Features

- Large package size
- For use with precision potentiometers up to 20 turns
- Excellent readability
- Precision feel - no backlash
- Cast housing

Applications

- Power supplies
- Sensors
- Medical
- Automation
- Test equipment

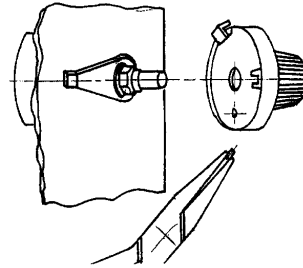
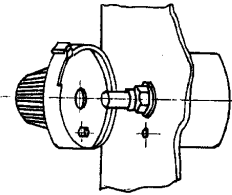
H-46 Turns-Counting Dial

Mechanical and Physical Characteristics

Number of Turns	0 to 20
Readability	Within 1/100 of a turn
Weight73 grams
Markings	Black on chrome background
Accepts Shaft Diameter	See below
Locking Brake	Yes

Shaft and Bushing Requirements

Shaft Extension Beyond Panel689 in. (17.5mm) minimum 0.925 in. (23.5mm) maximum
Bushing Extension Beyond Panel	0.177 in. (4.5mm) maximum



H-46 MOUNTING INSTRUCTIONS

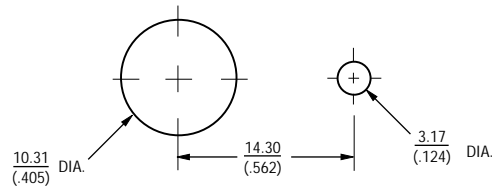
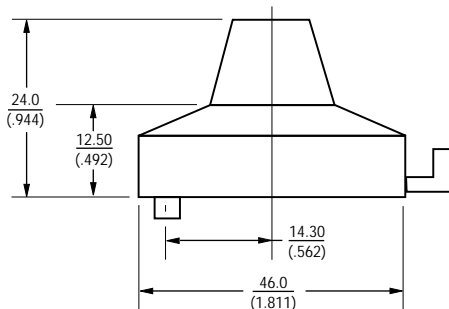
Using the existing Antirotation Lug

1. Drill 0.125 (3.2mm) diameter antirotation pin hole on vertical centerline 0.562 (14.3mm) 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 to "0.0" reading.
5. While holding outer ring of dial, position unit lightly against panel. Tighten knob set screws to potentiometer shaft.

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 set 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.

Dimensional Drawing



PANEL LAYOUT

Shaft Diameter

Part Number	Accepts Shaft Diameter
H-46-6A	6.35mm (.250)
H-46-6M	6mm (.236)

Dimensions are $\frac{\text{mm}}{\text{(inches)}}$