

Features

- Large package size
- For use with precision potentiometers up to 20 turns

H-46 Turns-Counting Dial

- Excellent readability
- Precision feel no backlash
- Cast housing
- RoHS compliant*

Applications

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

Mechanica	and Physical (Characteristics

Number of Turns	
Dial Divisions	
Readability – Over 10 Turns	Within 1/100 of a turn
Torque With Brake Engaged	
Markings	Black on chrome background
Locking Brake	Yes
Weight	
Locking Brake Weight Set Screw	UNC N4-44, one included
Set Screw Tightening Torque	
Hex Key Size	
Shaft and Bushing Requirements	
Shaft Diameter Requirements	



H-46 MOUNTING INSTRUCTIONS Using the existing Antirotation Lug

 Drill 3.2 mm (0.125) diameter antirotation pin hole on vertical centerline 14.3 mm (0.562) below center of potentiometer mounting hole.

 Mount potentiometer shaft counterclockwise to obtain minimum resistance or voltage ratio. This is not necessarily identical with the mechanical stop.

 Loosen set screws in knob of dial. Set dial to "0.0" reading.
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.

23.5 mm (0.925 in.) maximum

- 2. Mount potentiometer in panel with antirotation device nut (supplied with dial) and lockwasher (supplied with potentiometer).
- 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 Drawings			How To	Order
<u>24.0</u> (.944)			Part Number	Accepts Shaft Diameter
→ 12.50	PANEL LAYOUT	520	H-46-6A	6.35 mm (.250)
	10.31 (.405) DIA.	10 TO 70 011	H-46-6M	6 mm (.236)
	14.30 (.562) (.562) (.124) DIA.	monutine Bonistic	DIMENSIONS: <u>MM</u> (INCHES)	

REV. 01/14

Finish Satin

Chrome Satin Chrome

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

Specifications are subject to change without notice. The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

Dimensional Drawings