

# Model 11

Spectrol

## 25.4mm Dia Eleven Turn Dial



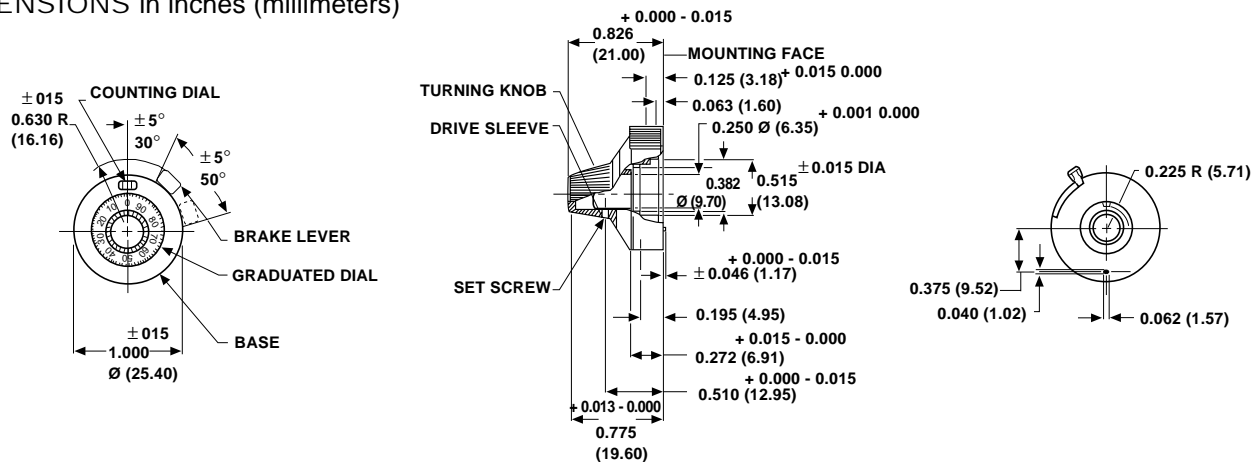
### FEATURES

- Round Vernier Scale
- 1" Dia.
- 1/4" or 1/8" Shaft Adapter
- Black Chrome Finish with White Markings
- Brushed Chrome Finish with Black Markings
- Satin Chrome Finish with Black or White Markings

MECHANICAL SPECIFICATIONS	
PARAMETER	
Runout	Dial to be free running and without binds, with axis of drive sleeve perpendicular or in any position within 0.004 per inch (0.10) out of perpendicular with the mounting face
Mounting	Directly to shaft with #2 - 56 spline socket set screw. Drive sleeve set screw on lower side of vertical center line with a graduated circular dial reading of 0
Numeral Size	0.75 H (1.90) x 0.13 Width (0.33) of line
Graduation Size:	
Numeral	0.40 inches L (1.02cm)
Intermediate	0.030 Inches L (0.76cm)
Width	0.010 Inches (0.25cm)
Weight	0.7 oz maximum (19.84gm)

OPERATIONAL SPECIFICATIONS	
Indication	Single counter type wheel and a graduated circular dial registering a total count of 10 turns
Operation	Single numeral in window (0 thru 10) indicates completed number of turns of the drive sleeve. Graduated circular dial indicates the percent of the partial turn of the drive sleeve
Transfer Point	Between 97 and 0
Rotation	
Increasing indication	CW direction
Decreasing indication	CCW direction
Accuracy	Zero backlash between dial and the drive sleeve
Mounting Hardware	Lock washer, internal tooth, steel, nickel plated panel nut: brass, nickel plated

### DIMENSIONS in inches (millimeters)



ORDERING INFORMATION		
11 MODEL	1 SHAFT DIAMETER AND NUMERICAL DISPLAY 1. 1/4" Shaft (standard) 2. 1/8" Shaft adapter	11 FINISH AND OTHER FEATURES 11. Satin chrome, black markings 21. Black chrome, white markings 31. Brushed chrome, black markings 41. Satin chrome, white markings
Example: 11 - 1 - 11		

# MODEL 11 MULTIDIAL® MOUNTING INSTRUCTIONS

## PRINCIPLES OF OPERATION

The inner scale of the Model 11 Multidial is graduated in fiftieths of a turn. The outer scale (read through the viewing window) counts the number of turns (0–10) that have been completed.

Example: If the numeral in the window reads 7 and the inner scale reads 22, the reading is 7 turns plus 22/100 of the eighth turn. In the case of a 10-turn potentiometer, this equals 72.2% of 10 turns.

Each complete revolution of the inner scale transfers the outer scale numerals in the window. Numeral transfer on the outer scale occurs between 97 and 0 on the inner scale. If two numerals appear in the window at the instant of transfer, read the lower of the two.

## MOUNTING INSTRUCTIONS

The following instructions apply when the Model 11 Multidial is used on a 1/8" panel in conjunction with Spectrol 500 or 800 series potentiometers or other rotary components:

1. Drill a .063" diameter hole .375" below the horizontal centreline of potentiometer mounting hole.
2. Mount the potentiometer or component to the panel.
3. Turn the shaft of the potentiometer against its counterclockwise stop.
4. Turn the inner scale of the Model 11 Multidial so that "0" appears in the viewing window and the inner scale reads higher than 10.
5. With the braking lever released (in the counterclockwise position) slip the Model 11 Multidial over the potentiometer shaft. The locating lug on the multidial should enter the hole drilled in the panel.
6. Seat the Model 11 Multidial **lightly** against the panel.
7. Turn the inner scale counterclockwise slowly until "0" of the inner scale is opposite the index mark. Then tighten the set screw firmly against the potentiometer shaft.
8. The dial is now ready to operate.

