

## 46.0 mm Diameter Eleven Turn Dial



### FEATURES

- Round vernier scale
- 1  $\frac{13}{16}$ " dia. (46.0 mm)
- Material: plastic ABS mold
- Finish: metallized clear (aluminum)
- Material categorization: For definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)



### QUICK REFERENCE DATA

|                  |            |
|------------------|------------|
| Sensor type      | DIALS      |
| Market appliance | Industrial |
| Dimensions       | 46 mm dia. |

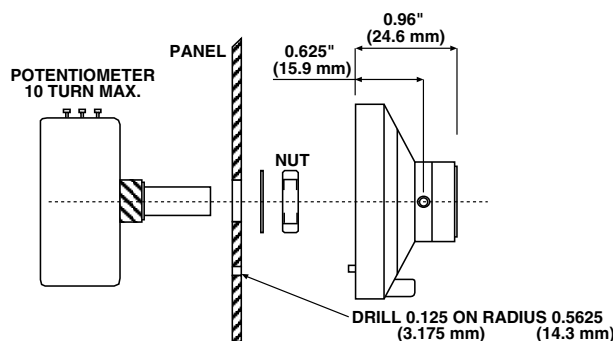
### MECHANICAL SPECIFICATIONS

|  |   |
|--|---|
| Mounting   | Direct to shaft with # 4 to 40 unc hext socket set screw located adjacent to no. 75 on graduated dial         |
| Numeral size:<br>Counter wheel<br>Graduated dial                     | $\frac{1}{12}$ " x $\frac{1}{16}$ " (2.0 mm x 1.6 mm)<br>$\frac{1}{8}$ " x $\frac{1}{12}$ " (3.2 mm x 2.0 mm) |
| Graduation size:<br>Numeral and every fifth<br>Intermediate<br>Width | $\frac{1}{12}$ " (2.0 mm)<br>$\frac{1}{24}$ " (1.0 mm)<br>0.01" (0.2 mm)                                      |
| Weight   | 13 g  |

### OPERATIONAL SPECIFICATIONS

|                       |  |
|-----------------------|--|
| Readout and operation | 1099 turns total. The number in window (0 thru 10) indicates completed number of turn of the drive sleeve. Graduated circular dial indicates the percent of the partial turn of the drive sleeve |
| Transfer point        | The number in center of window shall change as graduated dial rotates between 98 and 0   |
| Rotation              | Readout shall increase with CW and decrease with CCW rotation  |
| Accuracy              | Zero backlash between graduated dial and drive sleeve  |

### DIMENSIONS in millimeters (inches)



### ORDERING INFORMATION/DESCRIPTION

| 21P   | A  | 11                           | BO10      | e           |
|-------|--|------------------------------|-----------|-------------|
| MODEL | SHAFT DIAMETER AND ACCOMODATION                    | FINISH                       | PACKAGING | LEAD FINISH |
|       | A $\frac{1}{4}$ " shaft (standard)<br>B 6 mm shaft | Metallized clear (aluminium) |           |             |

Example: 21P - A - 11

### SAP PART NUMBERING GUIDELINES

| 21P   | A              | 11     | B10       |
|-------|----------------|--------|-----------|
| MODEL | SHAFT DIAMETER | FINISH | PACKAGING |



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