## Precision Potentiometric Output
## Ranges: 0-250 to 0-2500 mm
## Compact Size • OEM Applications

# Z250

### Specification Summary:

GENERAL

| | |
|---|---|
| Full Stroke Ranges | 0-250 to 0-2500 mm |
| Spool Circumference | 250 mm |
| Output Signal | voltage divider (potentiometer) |
| Accuracy | ±0.25 to ±0.15% of F.S.* |
| Repeatability | ±0.15% to ±0.075% of F.S.* |
| Resolution | essentially infinite |
| Measuring Cable | 0.034-in dia. nylon-coated stainless steel |
| Sensor | plastic-hybrid precision potentiometer |
| Frame Material | zinc-plated steel |
| Cover Material | plastic |
| Weight, max. | 1 lb. |

**specifications will vary with configuration, please consult factory*

**ELECTRICAL**

| | |
|---|---|
| Input Resistance | 500 or 10K ohms (±10%) |
| Power Rating, Watts | 2.0 at 25°C derating to 0 at 105°C |

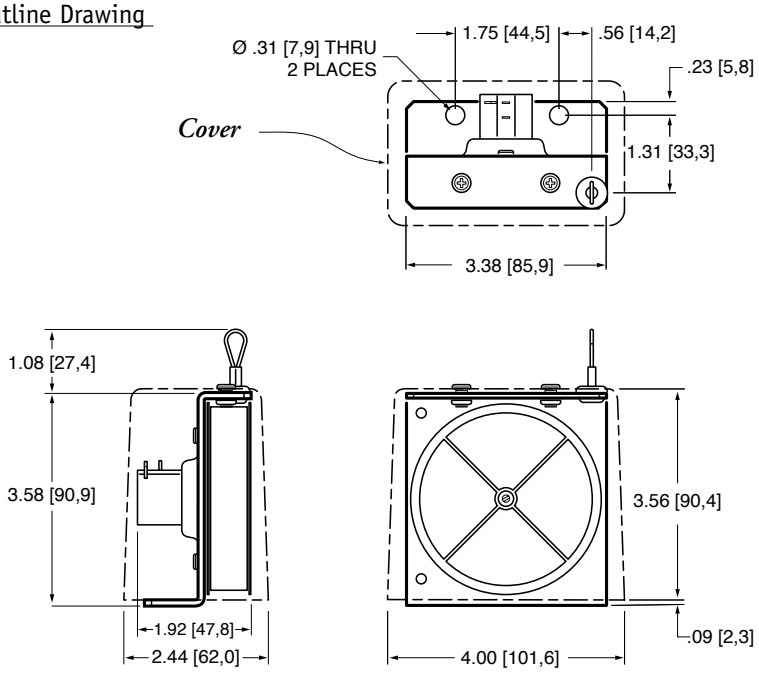
**ENVIRONMENTAL**

| | |
|---|---|
| Operating Temperature | -25°C to +105°C |
| Temperature Coefficient of Potentiometer | +100ppm/°C, -150ppm/°C |

The Z250 Cable-ExtensionTransducer is a compact, flexible and highly accurate linear position measurement device that can be engineered to OEM specifications.

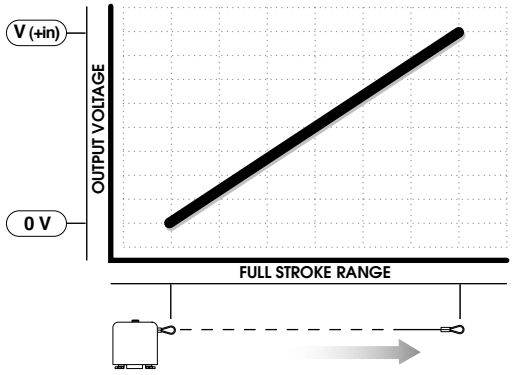
The standard Z250, can be simply modified to meet specific requirements. Circuits can be added for regulated output. Designs are available with and without covers and can be engineered for drop-in replacement of current assemblies. They allow for custom mounting, custom electrical connections and customer-specified life testing. Quantities are available as small as 100 units.

Outline Drawing




NOTE: All dimensions are in INCHES [MM]

Output Signal

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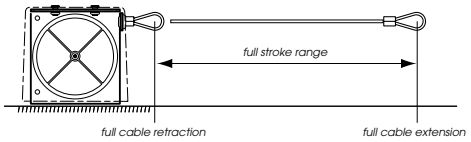
## Order Form • Application Worksheet

### Application

*please provide a brief description of application. include exact stroke range, velocity of stroke and estimated number of cycles per year.*

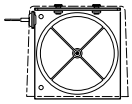
### Full Stroke Range

*select available range or specify complete requirements*

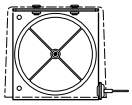



☐ 250 mm ☐ 750 mm ☐ 1250 mm ☐ 2500 mm ☐ other

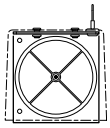
### Measuring Cable Exit



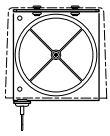
☐ front



☐ rear



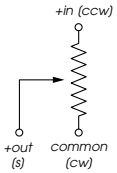
☐ up



☐ down

### Potentiometer

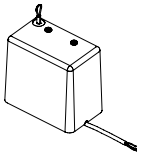
*select value or specify complete requirements including value, voltage and linearity and estimated number of cycles per year*



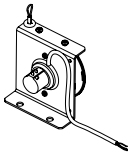

☐ 500 Ω ☐ 10K Ω ☐ other:

### Enclosure

*choose with or without cover or specify custom enclosure requirements*

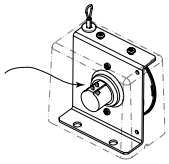


☐ cover

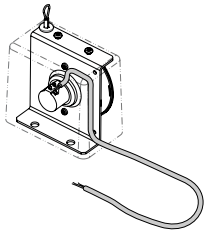


☐ no cover ☐ custom enclosure:

### ELectrical Connection



☐ solder connection



☐ instrumentation cable
- ☐ length:
- ☐ connector
  - manufacturer:
  - manufacturer's part no.: