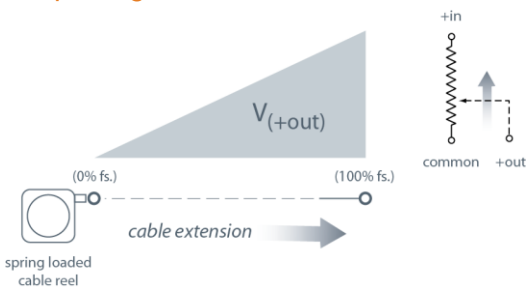




The Z250 Cable-Extension Transducer is a compact, flexible and highly accurate linear position measurement device that can be engineered to OEM specifications.

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.

Output Signal



Z250

Cable Actuated Sensor OEM Series • Voltage Divider Output

Ranges: 0–250 to 0–1000 mm

Compact, Open Frame Design

OEM Applications • Customer Specific Design

100-piece Minimum Order

General

Full Stroke Range	0-250 to 0-2400 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.

Electrical

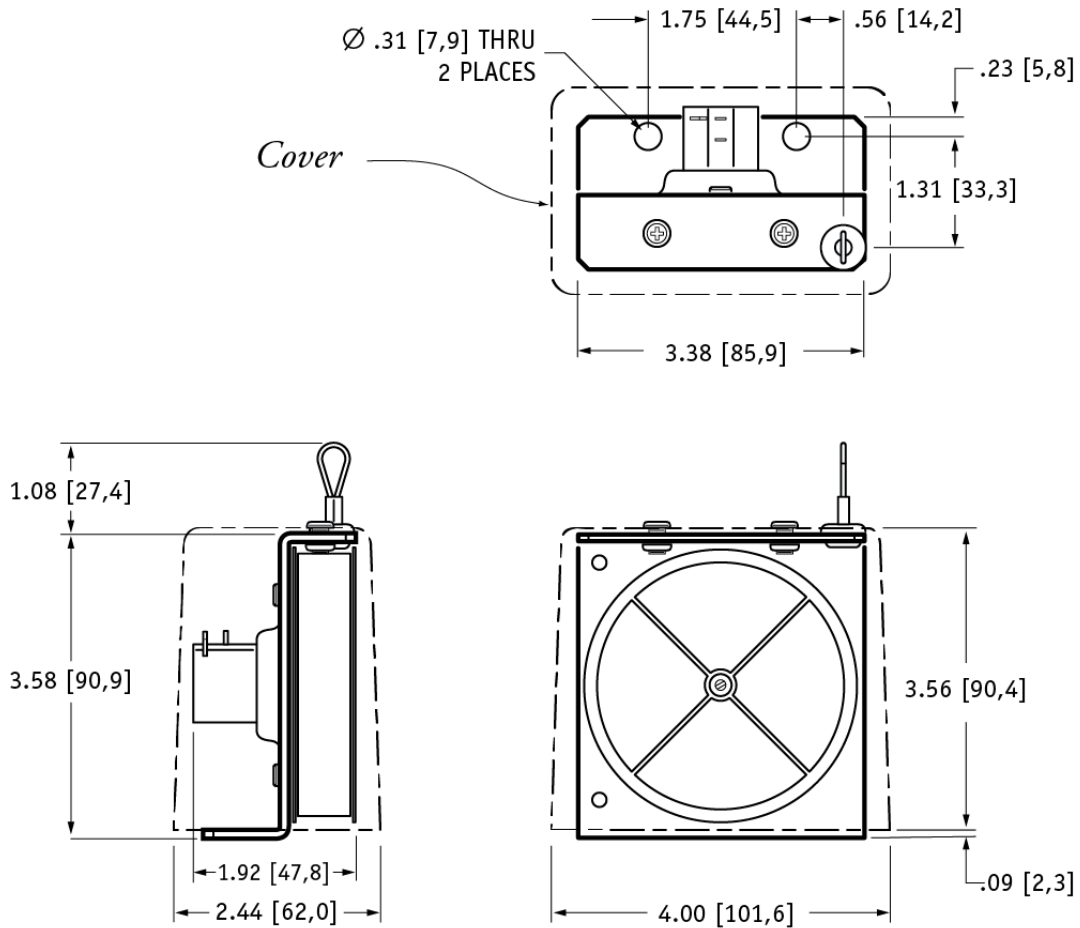
Input Resistance	500 or 10K ohms (+10%)
Power Rating, Watts	2.0 at 25°C derating to 0 at 105°C

Environmental

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

*specifications may vary with configuration, please consult factory

Outline Drawing



NOTE: All dimensions are in INCHES [MM]

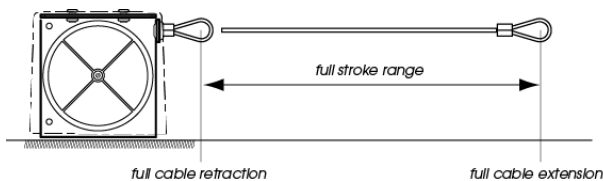
Ordering Information

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>

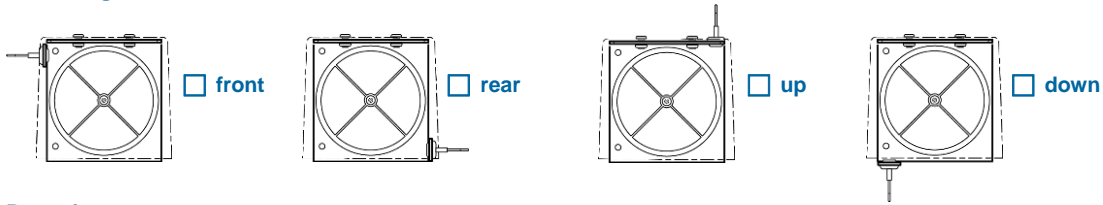


full stroke range (mm):	220	1200	2400
spool circumference (mm):	250	250	250
potentiometer turns:	1	5	10

Z250

OEM Series • Voltage Divider Output

Measuring Cable Exit:



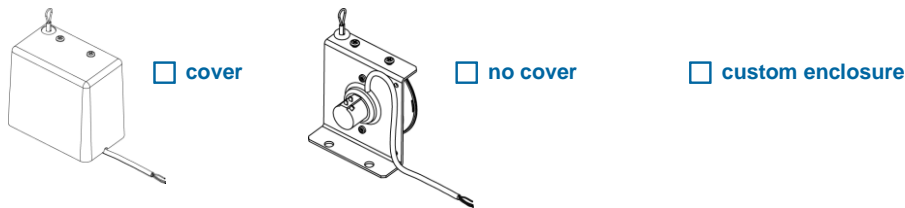
Potentiometer:

<Select value or specify complete requirements including value, voltage and linearity and estimated number of cycles per year>

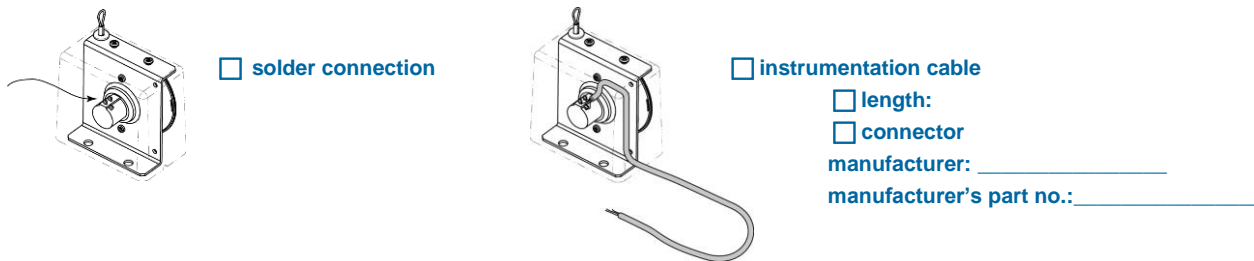


Enclosure:

<Select no cover or specify custom enclosure requirements>



Electrical Connection:



NORTH AMERICA

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Z250 12/01/2015