



The Z115 Cable-Extension Transducer is a compact, flexible and highly accurate linear position measurement device that can be engineered to OEM specifications.

The standard Z115, 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 customerspecified life testing. Quantities are available as small as 100 units.

## **Output Signal**



# **Z115 Cable Actuated Sensor OEM Series** • Voltage Divider Output

Ranges: 0-100 to 0-1000 mm **Compact, Open Frame Design OEM Applications • Customer Specific Design 100-piece Minimum Order** 

## General

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Full Stroke Range	0-100 to 0-1000 mm
Spool Circumference	58 mm, 115 mm (range dependent)
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	+100ppm/°C, -150ppm/°C			
Potentiometer				

\*specifications may vary with configuration, please consult factory

# **Outline Drawing**



# **Ordering Information**

### Application:

cplease 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):	50	100	275	550	1100
full stroke range spool circu pote spring tensi	spool circumference (mm):	58	115	58	58	115
	potentiometer turns:	1	1	5	10	10
	spring tension, ±30% (oz):	10	7	10	10	7
full cable retraction full cable ext	tension					

#### Measuring Cable Exit:



#### **Potentiometer:**

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

other:







<Select no cover or specify custom enclosure requirements>



#### **NORTH AMERICA**

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