

OEM Series: Cable-Extension Position Transducer

Precision Potentiometric Output
Ranges: 0-100 to 0-1000 mm
Compact Size • OEM Applications

Z115

Specification Summary:

GENERAL

Full Stroke Ranges 0-100 to 0-1000 mm
 Spool Circumference 58 mm, 115 mm (range dependant)
 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

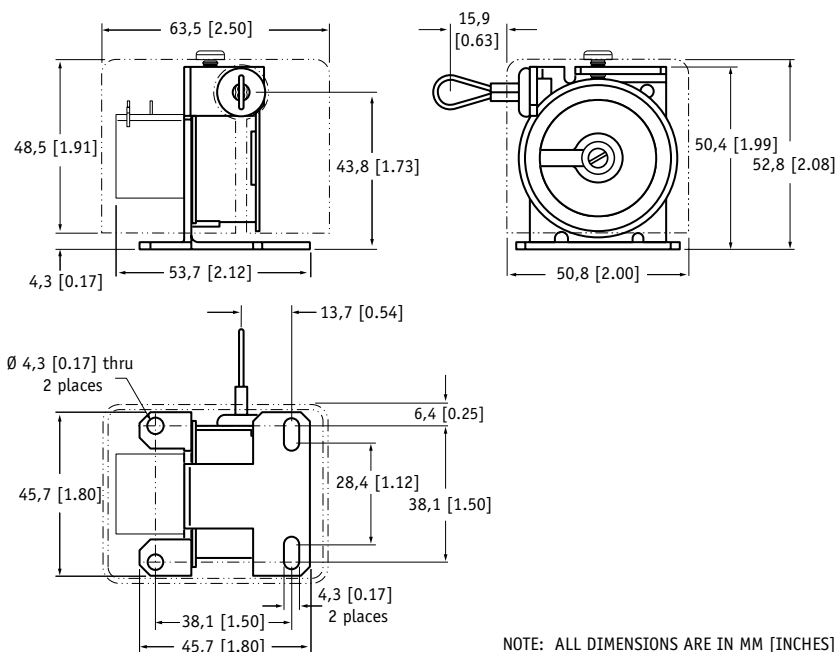
Operating Temperature -25°C to +105°C
 Temperature Coefficient of Potentiometer +100ppm/°C, -150ppm/°C



The 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 customer-specified life testing. Quantities are available as small as 100 units.

Outline Drawing



NOTE: ALL DIMENSIONS ARE IN MM [INCHES]

Output Signal

