

OEM Series: Cable-Extension Position Transducer

Incremental Encoder Output

Ranges: 0-1000 to 0-1250 mm

Compact Size • OEM Applications

A125

Specification Summary:

GENERAL

Full Stroke Ranges.....	0-1000 & 0-1250 mm
Spool Circumference.....	125 mm
Output Signal.....	incremental (quadrature) encoder
Accuracy.....	+0.04% of F.S.
Repeatability.....	+0.02% of F.S.
Resolution.....	0.8 to 20 pulses per mm*
Measuring Cable.....	0.034-in dia. nylon-coated stainless steel
Optional Measuring Cable.....	0.040-in. dia. thermoplastic
Sensor.....	incremental optical encoder
Frame Material.....	zinc-plated steel
Weight, max.....	1 lb.

ELECTRICAL

Encoder Output Driver Options.....	TTL-CMOS, open collector and line-driver
Output Channels.....	A, B and index (with and without compliments)*
Input Voltage.....	4.5 to 26.4 VDC*
Current Consumption.....	80 mA max.*
Sink Current.....	20 mA max.*

ENVIRONMENTAL

Operating Temperature.....	-10°C to +70°C
Storage Temperature.....	-30°C to +80°C
Humidity.....	RH 85%, no condensation
Vibration.....	10 ~ 55 Hz / 1.5 mm 2 hr.
Shock.....	30 G 11ms (X,Y, Z each 3 times)

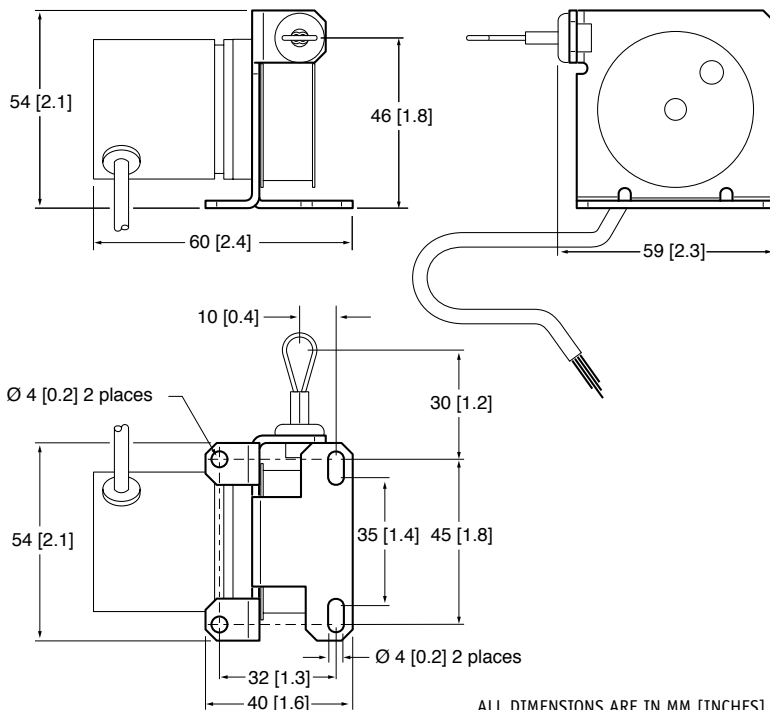
*specifications may vary with configuration, please consult factory



The A125 Cable-Extension Transducer is an optical encoder-based compact, flexible and highly accurate position feedback transducer.

The standard A125 can be simply modified to meet specific OEM requirements. Just about any encoder type can be used for your specific requirement. Designs are available for new applications or as drop-in replacements of current assemblies. You can specify custom mounting, custom electrical connections and even customer-specified life testing. Quantities are available as small as 100 units.

Outline Drawing



ALL DIMENSIONS ARE IN MM [INCHES]

Output Signal

