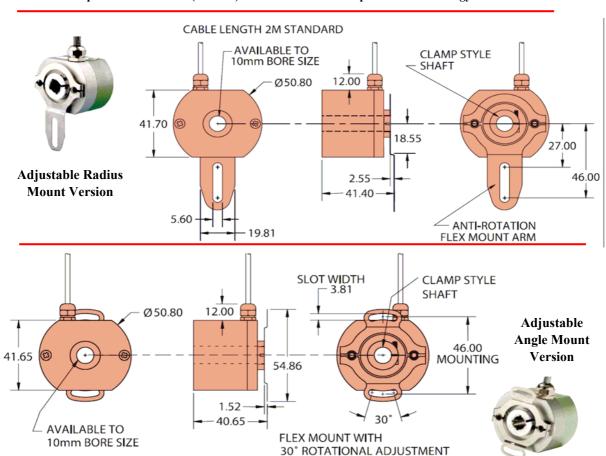


# 51XA Series

## ture Absolute Hollow Shaft Encoder

#### Features

- Very Small Profile
- Up to 11 Bit Absolute (Parallel)
- Sturdy Metal Construction
- Opto-ASIC Technology



#### SPECIFICATIONS

Precision Machined IP64

Aluminium (Anodized) Cover:

Precision Machined Aluminium

(Powder Coated) Shaft:

Stainless Steel Bearings: Sealed Ball Race Cable: Screened

**Protection:** 

User Shaft Allowable Runout: 0.2mm Total Indicated Reading (TIR) +/- 0.75mm Allowable End Play (Maximum)

**Operating Temperature:** 

0 to +70°C

Storage Temperature:

-20 to +85°C Maximum Speed: 6000 RPM

TEL: (UK) +44 (0) 1978 664722 FAX: (UK) +44 1978 664733

WEB: www.industrialencodersdirect.co.uk EMAIL: sales@industrialencodersdirect.co.uk Vibration:

10g @ 58 to 500Hz

Shock:

50g @ 11ms duration

**Humidity:** 

98% RH (non-condensing)

**Shaft Loading:** 

Flexible Mount (as supplied)

Cable:

Screened, oil and salt water proof

Impulse Frequency:

200KHz (Max) **Current Consumption:** 

100mA (Maximum - without load)

Signal Accuracy:

+/-1/6 (LSB)



## 51XA Series

### - Minature Absolute Hollow Shaft Encoder —

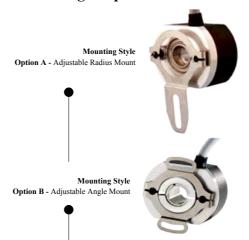
#### Description

The Absolute Single-Turn 51XA Series provides a solution to a wide variety of industrial applications requiring parallel 'Absolute' position information.

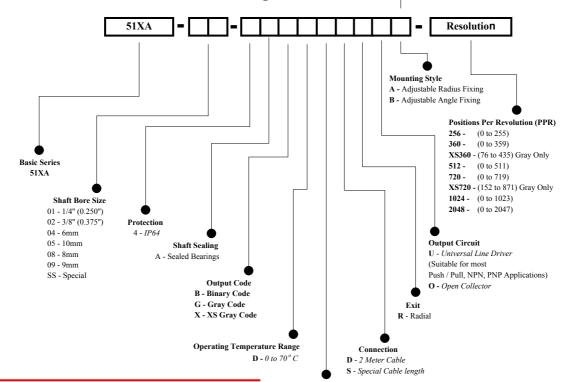
Its low profile package of just 40mm deep, allows Absolute encoding where traditional Absolute encoders do not fit.

Innovative Opto-ASIC circuitry, coupled with its digital output, make it an excellent choice in applications plagued by high level of electrical noise. The 51XA can easily be mounted directly on a motor shaft, bringing the advantage of Absolute positioning in an all metal housing while eliminating the fixtures, couplers, and adapters required by other absolute encoder designs.

#### Mounting Options



### Ordering Code



All information shown shall under no circumstances form part of any contractual representation by Industrial Encoders Direct Ltd.

All information is issued for guidance purposes only. A copy of our Standard Terms and Conditions is available on request.

Output Signals 2 - 50KHz (LSB)

TEL: (UK) +44 (0) 1978 664722 FAX: (UK) +44 1978 664733

WEB: www.industrialencodersdirect.co.uk
EMAIL: sales@industrialencodersdirect.co.uk