

# INCREMENTAL SHAFT ENCODERS

## MODEL 15S

Ø1.5"



- Resolutions to 10,000 CPR\*
- Up to 12 pole commutation available
- Operating temps: -40° to 120° C
- Sealing to IP64
- (\*for higher resolutions, see the Model 755A, online)

## MODEL 25SP

Ø58 MM



### PROGRAMMABLE

- Resolutions from 1 to 65,536 CPR
- Programmable Output Type and Waveform
- Shaft sizes up to 5/16" or 10 mm
- Dual bearings rated 80lbs axial or radial
- Flange or Servo mounting options
- Operating temps: -40° to 100° C
- Sealing to IP67

## MODEL 702

Ø2.0"



- Resolutions to 30,000 CPR
- Shaft sizes to 3/8" or 10 mm
- 80 lb. max. radial and axial load
- Operating temps: 0° to 100° C
- Sealing to IP67

## MODEL 758

Ø58 MM



- Clamping or synchro flange options
- Resolutions to 30,000 CPR
- 80 lb. max. radial and axial load
- Operating temps: 0° to 100° C
- Sealing to IP67

## MODEL 725

Ø2.5"



- Industrial isolated flex housing available
- Resolutions to 30,000 CPR
- Frequencies to 1 MHz
- Operating temps: 0° to 100° C
- Sealing to IP67

## MODELS 711, 715 & 716



- The original Cube encoders
- Single channel, quadrature, and timed pulse
- Versatile housing styles, from Standard to Ultra-Heavy Duty
- Resolutions to 10,000 CPR

# ABSOLUTE ENCODERS

## MODEL MA36H / MA36S

Ø36 MM



- Multi-turn absolute encoder (14 bit/39 bit) or up to 14 bits of single turn resolution
- Standard Size 36 mm package (1.42")
- Available in shaft or hollow bore
- Shaft or bore sizes to 0.250" or 6 mm
- SSI and CANopen communications
- Sealing to IP65

## MODEL 925 / 960

Ø2.5"/Ø2.0"



- Industrial housed, single turn absolutes
- Resolutions to 11 Bits
- Shaft/bore sizes to 3/8" or 10 mm
- Gray, natural binary, and excess gray codes
- Sealing to IP67 (shaft) / IP50 (hollow bore)

## MODEL MA63S

Ø2.5"



- Multi-turn absolute encoder (14 Bit/39 Bit)
- Shaft sizes to 3/8" or 10 mm
- Servo and flange mounting
- SSI and CANopen communications
- Sealing to IP67

## MODEL MA/SA58H

Ø58 MM



- Multi-Turn and Single-Turn Resolution
- SSI and CANopen Communications
- Operating temps: -40° C to 85° C
- Two flexible mounting options
- IP67 Seal (IP65 on the shaft)
- Available with bores up to 3/8" or 14 mm

# INCREMENTAL THRU-BORE & MOTOR MOUNT ENCODERS

**MODEL 15T/H**

**Ø1.5"**



- Resolutions to 10,000 CPR
- Simple, innovative flex mounting system
- Bore sizes to 3/8" or 10 mm
- Up to 12 pole commutation available
- Operating temps: -40° to 120° C
- Sealing to IP64

**MODEL 25T/H**

**Ø2.5"**



- Single replacement solution for 2.0" to 3.5" encoders
- Resolutions to 10,000 CPR/ Frequencies to 1 MHz
- Bore sizes from 1/4" to 1 1/8" or 6 mm to 28 mm
- Variety of flexible mounting options
- Operating Temps: -20° to 105° C
- Sealing to IP66

**MODEL 260**

**Ø2.0"**



- Resolutions to 10,000 CPR
- Bore sizes to 5/8" or 15 mm
- Operating Temps: -40° to 120° C
- Up to 12 pole commutation
- Simple, innovative flexible mounting system
- Sealing to IP64

**MODEL 755A**

**Ø1.5"**



- Resolutions to 30,000 CPR
- Bore sizes to 3/4" or 14 mm
- Frequencies to 1 MHz
- Flexible mounting brackets
- Operating temps: -40° to 100° C

**MODEL 58T/HP**

**Ø58 MM**



**PROGRAMMABLE**

- Available in Thru or Hollow Bore
- Resolutions from 1 to 65,536 CPR
- Programmable Output Type and Waveform
- Standard and Metric Thru-Bore Sizes up to 5/8" and 15 mm
- Several Flexible Mounting Options
- Sealing to IP67

**MODEL 225A/Q**

**Ø2.25"**



- Single channel and quadrature
- Economical tachometer/motor feedback
- Bore sizes to 7/8" or 22 mm
- A variety of connector options
- Available with flexible mounting arm

**MODEL 121**

**Ø2.1"**



- Patented auto-aligning mounting
- Resolutions to 2500 CPR
- Bore sizes to 5/8" or 15 mm
- Up to 12 pole commutation available
- Operating temps: 0° to 100° C
- Includes IP50 dust seal kit

**MODEL 770 / 771**

**Ø6.5"/Ø9.0"**



- Fits NEMA frame size 56C thru 184C motors (Model 770) and 182TC thru 256TC (Model 771)
- Resolutions to 4096 CPR
- Bore sizes to 1" or 24 mm (Model 770) or sizes to 1 7/8" or 43 mm (Model 771)
- A variety of connector options
- Operating temps: 0° to 100° C

**MODEL 775 / 776**

**Ø4.3"**



- Slim profile – only 1.36" deep
- Available with a variety of bore sizes, resolutions, and connector types
- CE marking available
- Easy over-shaft installation
- High temp option to 100° C

# LINEAR ENCODER SOLUTIONS

## MODEL LCE



- Low cost linear solution
- Resolutions from 2 - 500 cycles per inch
- Non-corrosive stainless steel cable
- Cable measurement from 0 to 50"
- Industrial housing available
- Sealing to IP65

## MODEL TR3



- Heavy duty encoder and measuring wheel in one
- Available in single or dual wheel configuration
- Easily installed in a vertical, horizontal or upside down orientation
- Operates over a variety of surfaces at speeds up to 3000 feet per minute
- Temp options from -40° to 100° C
- Sealing to IP67

## MODEL TR1 / TR2



Model TR1

Model TR2

- Encoder and measuring wheel solution in one, compact unit
- Easily installed in a vertical, horizontal or upside down orientation
- Operates over a variety of surfaces at speeds up to 3000 feet per minute (400 feet per minute for TR2 Rack & Pinion Option)
- Temp options from -40° to 100° C
- Sealing to IP66

# ENCODER MODULES

## MODEL 30M / 30MT

Ø30 MM

30M with 8-Pin Molex

30M with 8-Pin M12



30M with 16-Pin Molex

30MT with 8-Pin M12

- Magnetic incremental encoder modules
- Compact 30 mm (1.18") size
- Available with 8-pin Molex\*, 16-Pin Molex\*, or 8-pin M12 connector
- Optional 2, 4 or 8 pole commutation\*
- Large air gap and tolerance to misalignment

- Model 30MT features threaded housing for built-in alignment
- Up to 1024 CPR (4096 PPR with Quadrature Counting)
- Operating temps -40° to 120° C
- Sealing to IP69K

\*Model 30M only

# STAINLESS STEEL ENCODERS

## MODEL 802S

Ø2.0"



- Flange and servo mounting
- Resolutions to 30,000 CPR
- 80 lb maximum axial and radial shaft loading
- Operating temps: 0° to 100° C
- Sealing to IP67

## MODEL 858S

Ø58 MM



- Up to 30,000 CPR
- 80 lb maximum axial and radial shaft loading
- Operating temps: -40° to 100° C
- Sealing to IP67

## MODEL 865T

Ø6.5"



- Fits NEMA Size 56C thru 184C motor faces (4.5" AK)
- Slim profile – only 1.00" deep
- Resolutions to 4096 CPR
- Operating temps: 0° to 100° C