EZEncoders

## Eq2Encoceret The Most Sensilule Rotary Shaft Encoders

Size 25 w/9-Pin
Sub-D Connector
NEMA 4/IP65, Size 25,
3/8" Shaff with 80 lib. Rating

- Size 25, 125" dia., 2.3" deep
- $3 / 8^{\prime \prime}$ shaft with 80 lb . rating
- Life $1 \times 10^{9}$ revs. at full load
- NEMA4, IP65
-PPR 100, 250, 500, 720, 1000, 1024
- Quadrature, single or Line Driver ET7272
-9-pin Sub-D Mating Connector
- Servo or Flange Mount


EZEncoder proves again that American innovation in design as well as
manufacturing can beat products made anywhere in the world, including China.
Lets Compare Encoders Head to Head 1024 PPR, Resolution 4096 counts/rev.
EZ Heavy Duty Less than the Price of 2 ADC's Medium Duty Buy 2 EZ Encoders for the Price of 1 Cube Encoder

| Features | Size 25, 2.5" Dia. EZ 25 Fixed Sub-D | Size 2.25 Cube Dynapar 22 Qube | Size 2.25 Cube EPC 716 Cube | Size 20 <br> Rockwell 8457 | Size 25, 2.5" Dia. ADC TRDA-25 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Depth | 2.27" | 2.25" | 2.25" | 1.85" | 2.15" |
| Shaft Load Rating | 80 lbs . | 80 lbs . | Axial 30 lb ., Radial 40 lb . | 40 lbs . | Axial 6.7 lb ., <br> Radial 11.2 lb . |
| Environmental Rating | NEMA 4, IP65 | NEMA 4X, IP67 | NEMA 4, IP65 | NEMA 4, IP66 | NEMA 4, IP65 |
| Bearing Life | $1 \times 10^{9} @ 80 \mathrm{lbs}$. | Not Available | Not Available | Not Available | Not Published |
| Outputs | A, B, Z ET7272 <br> differential line drive | A, B, Z ET7272 <br> differential line drive | A, B, Z ET7272 <br> differential line drive | A, B, Z differential line drive | A, B, Z differential line drive |
| Pulses/Rev. PPR | 100 to 1024 | 1 to 3600 | 1 to 5000 | 1 to 3000 | 100 to 2500 |
| Industrial Grade | Heavy Duty | Heavy Duty | Heavy Duty | Heavy Duty | Medium Duty |
| Price | \$149 | \$301 | \$356 | \$445.51 | \$175 |

1-877-714-2!

EZEncoders

# EqZencoceret The Most Sensible Rotary Shaft Encodiers 

## Size 25 w/9-Pin Sulb-D Connector NEMA 4/IP65, Size 25, 3/8" Shaft with 80 ll . Rating

- Size 25, 2.5" dia., 2.3" deep for servo mount and 2.6" deep for Flange mount
- Servo models can be mounted with servo clamps or from Face
- Flange models face mounted
- $3 / 8$ " stiafl wth 80 lb rating
- Life $1 \times 10^{9}$ revs. at full load
- NEMA4, IP65
- Counts 100, 250, 360, 500, 720,1000, 1024
- A \& B Quadrature outputs with Index, TTL or Line Driver ET7272
- ET7272 is short circuit proof with automatic thermal shut down
-30V/V models: 10-30VDC power, outputs follow power voltage with regulation
-30V/5 models: 10-30VDC power, TTL outputs
- ET7272 can also be used for Sourcing (P) \& Sinking (N) outputs
- Sub-D models: Mating connecor/cables with industry standard 9-pin D-Sub connectors at the other end

SIZE 25, 3/8" Shaft, Heavy Duty. EZ25-S-0100-30V/V-SUBD

## A B C D E

Size 25, 3/8" Shaft, Heavy Duty, Universal Driver (Sinking and Sourcing Compatible), with 9-Pin D-SUB Connector, Short circuit protection and automatic thermal shutdown.

A: $\quad$ Size 25
B: $\quad$ S: Server or Face Mount F: Flange or Face Mount
C: PBR: $0100,0250,0360,0500$, 0720, 1000, 1024
D: 30V/V: 10-30VDC Power (P output-30VDC) 30V/5: 10-30VDC Power (TTL Outputs - 5VDC)
E: SUBD: 9-PIN D-SUB Connector


| EZ ENCODER 1.5" and 2.5" Model Specifications |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Specification | Size 15 Integral Cable Incremental | Size 25 9-Pin D-SUB Incremental | Size 25 MS Connector Incremental | Size Probrammable Incremental | Size 25 Programmable Resolver Absolute |
| Description | Medium Duty Incremental Encoder | Heavy Duty Incremental Encoder |  | Heavy Duty Programmable Incremental Optical Encoder | Heavy Duty Programmable Absolute Resolver |
| Size/Mounting | 15, 1.5 dia., 1" Deep Servo/Flange | $25,2.5^{\prime \prime} \text { dia., 2.3" }$ deep Servo/Flange | 25, 2.5 " dia., 3.12"'deep Servo/Flange |  |  |
| Shaft Load Ratings | 1/4" Shaft, 10 lbs. | 3/8" shaft, 80 lbs . |  |  |  |
| Rating | NEMA 12, IP54 | NEMA 4, IP 65 |  |  |  |
| Frequency Response | 60 kHz | 100 kHz |  |  |  |
| Resolution Counts/ Rev. | $\begin{gathered} 180,250,360,500 \\ 720 \end{gathered}$ | 100, 250, 360, 500, 720, 1000, 1024 |  | Up to 1024 Counts/Rev. right on the machine without needing a laptop or software | Programmable up to 4096 Counts/Rev. for Absolute, right on the machine without needing a laptop or software |
| Connectors | Integral Cable | Mating MS Connector | MS Connector |  |  |
| Direct Replacement | - | - | BEI / Dynapar / AB / EPC |  |  |
| Outputs | Quadrature with index, single or Line Driver ET7272 |  |  |  |  |
| Electrical Specifications |  |  |  |  |  |
| Model | Size 15 Integral Cable Incremental | Size 25 9•Pin D-SUB Incremental | Size 25 Connector Incremental | Size 25 Programmable Incremental | Size 25 Programmable Resolver Absolute |
| Power Supply | 10VDC-30VDC |  |  |  | 18VDC-32VDC |
| Output | 30VDC 40mA |  |  |  |  |
| Mechanical Specifications |  |  |  |  |  |
| Starting Torque | 2 oz. in @ 25C | 5 oz. in @ 25C |  |  |  |
| Maximum Shaft Load | 10 lbs. | 80 lbs. |  |  |  |
| Maximum Shaft Speed | 5000 | 5000 |  |  |  |
| Bearing Life | 1×10 ${ }^{\text {Rev. }}$ |  |  |  |  |
| Weight | Size 15 with 6.5 ft cable: 125 g | Size 25 with SUB-D: 195g | Size 25 with MS connector: 225g | Size 25 Programmable Incremental: 235g | Size 25 Programmable Absolute Resolver: 292gm |
| Wire Size | 26 AWG | - | - | - | - |
| Environmental SpecificationsMod |  |  |  |  |  |
| Ambient Temperature | -10 to 70 C |  |  |  |  |
| Storage Temperature | -40 to 85 C |  |  |  |  |
| Humidity | 35 to 85\% RH (non-condensing) |  |  |  |  |
| Shock | 100 g for 11 ms |  |  |  |  |
| Vibration | 20 g to 20000 Hz |  |  |  |  |
| Voltage Withstand | 6.30V grounded through capacitor (630V cap between OV \& F G Lines) |  |  |  |  |
| Agency Approvals | UL, cUL, CE (Pending) |  |  |  |  |

