

# PE 4000 Series

Light Duty - End of Shaft

TECHNOLOGY · INNOVATION · QUALITY · VALUE

The PE 4000 series of 4B Rotech shaft mounted motion sensors & encoders are manufactured in an extremely tough and durable 30% glass fibre reinforced polypropylene.

Installation is simple & easy, just one 12mm threaded hole in the end of the shaft being monitored or fitted using the unique 'Mag-con' magnetic connector.

A wide range of number of pulses per revolution are available together with AC and DC electrical outputs.

Light Duty  
Low Cost Version



### FOR MONITORING:

- Speed
- Distance
- Direction
- Belt slip
- Shaft stopped
- Underspeed
- Overspeed
- Safety guards interlocking

### FEATURES:

- Low cost
- Totally self contained (no guards required)
- Maintenance free for maximum reliability
- 1 to 1000 pulses per revolution
- Environment ingress-IP66
- -25 to +100 deg Celsius versions available



### MAG-CON

#### MAGNETIC CONNECTOR

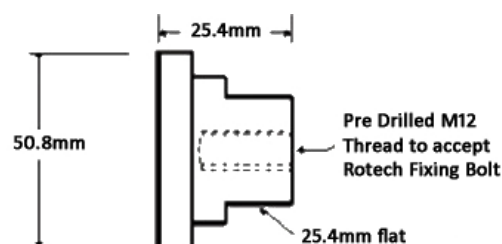
For quick and easy installation of Rotech shaft mounted sensors & encoders

#### IMPORTANT NOTE:

**MAXIMUM OPERATING SPEED IS 300RPM**

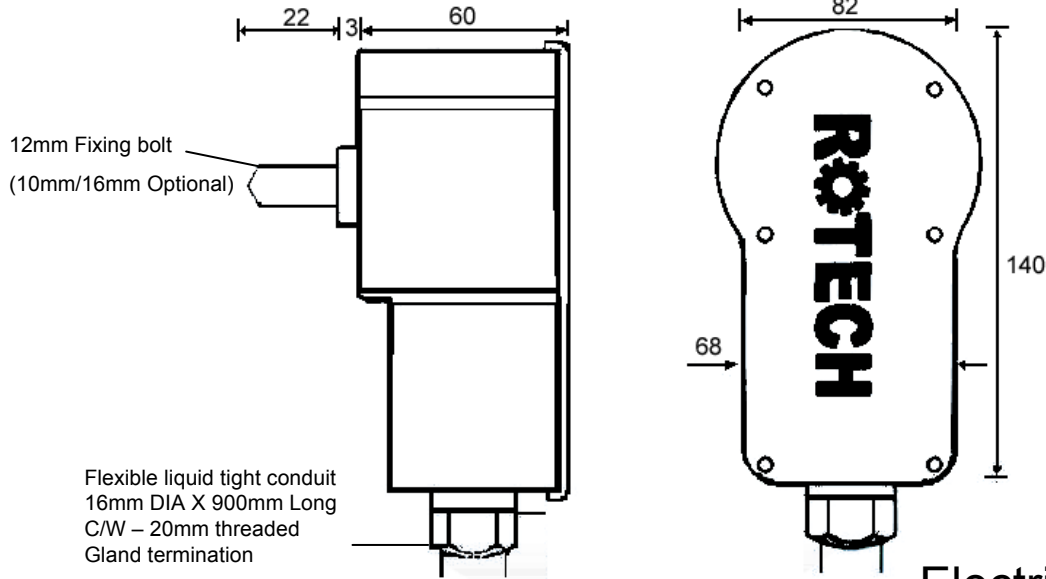
**RECOMMENDED MINIMUM**

**SHAFT DIAMETER FOR FITTING=35MM**



# Dimensions and Installation Information

Shown in millimetres



## Electrical Outputs

### Available Pulse Rates (PPR)

1,2,4,5,6,8,10,12,16,20,30,32,40,50,60,100,120,180,240,250,300,360,500,1000 (Dependent Upon Output Type)

<p>Type E (N.P.N) 10-30Vdc</p> <p>Max frequency = 600Hz</p>	<p>Type E2 (P.N.P) 10-30Vdc</p> <p>Max frequency = 600Hz</p>	<p>Type E3 (N.P.N/P.N.P 3 wire) 10-30Vdc</p> <p>Max frequency = 1000Hz</p>
<p>Type E4 (N.P.N + P.N.P.- 2 Wire) 10-30Vdc</p> <p>Max frequency = 1300Hz</p>	<p>Type W 20-240V AC/DC (1 to 30 PPR only)</p> <p>Max frequency = 25Hz (AC) 1000Hz (DC)</p>	<p>Type N (Namur) 8-2 Vdc (1KΩ) Intrinsically safe circuits</p> <p>Max frequency = 2000Hz</p>
<p>Type E3 Q (Quadrature) 10-30Vdc</p> <p>CH "A" Leads CH "B" for clockwise rotation viewed from shaft end of encoder</p>		<p>Type E, E2 Q (Quadrature) 1 to 40 PPR inclusive</p> <p>Max frequency = 600Hz</p>