ENCODERS FOR WIND TURBINES

W56
Used on pitch control units

HSD38
Used on generators

AI25W
Used on pitch control units

Dynapar is leading the way as an innovator in encoder technology for wind turbines

Dynapar encoders are long lasting, readily available and easy to install making your job easier.
### Other Dynapar Feedback Offerings for Wind Turbines

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<th>Application</th>
<th>Pitch Control</th>
<th>Generator</th>
<th>Pitch Control</th>
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<td>Resolution</td>
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<td>15 to 5000 PPR</td>
<td>12 bit multiturn</td>
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<tr>
<td>Temperature</td>
<td>-40 to +130°C</td>
<td>-40 to +100°C</td>
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<tr>
<td>Shaft Style</td>
<td>Hollowshaft</td>
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<td>Signal format</td>
<td>Quadrature A,B</td>
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<td>Shaft Diameter</td>
<td>1-1/8” w keyway</td>
<td>1/2” to 1 inch</td>
<td>Shafted: 6 and 10mm, 3/8” Bore: 10 and 12mm, 3/8”</td>
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</table>

#### W56
- **Application**: Pitch Control
- **Resolution**: 1024 PPR
- **Temperature**: -40 to +130°C
- **Shaft Style**: Hollowshaft
- **Signal Format**: Quadrature A,B
- **Shaft Diameter**: 1-1/8” w keyway

#### HSD38
- **Application**: Generator
- **Resolution**: 16 bit multiturn
- **Temperature**: -40 to +100°C
- **Shaft Style**: Hollowshaft
- **Signal Format**: Quadrature A,B
- **Shaft Diameter**: 1/2” to 1 inch

#### AI25W
- **Application**: Pitch Control
- **Resolution**: 12 bit singleturn, 16 bit multiturn
- **Temperature**: -40 to +100°C
- **Shaft Style**: Shafted/Hubshaft
- **Signal Format**: SSI
- **Shaft Diameter**: 10mm or 3/8”

#### R25 Resolver
- **Application**: Pitch Control
- **Resolution**: + - 5 arcmin to + - 10 arcmin
- **Temperature**: Up to 125°C
- **Shaft Style**: Shafted
- **Signal Format**: Sin-Cos
- **Shaft Diameter**: .3745” (9.51mm)

#### AR62
- **Application**: Pitch Control
- **Resolution**: 12 bit singleturn
- **Temperature**: -40 to +100°C
- **Shaft Style**: Shafted
- **Signal Format**: SSI, CAN, Analog
- **Shaft Diameter**: 10mm or 3/8”

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