

Incremental Optical Encoder with hollow through shaft RCI 90A - HS



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Generalities :

PRECILEC optical incremental encoders are designed with the same reliability than the RADIO-ENERGIE tacho generator. They measure with the highest accuracy the angular speed and position of rotating shafts in industrial environment.

Applications for encoder diameter 90 are mainly dedicated to cement, iron industries or windmill purpose.

Usually the applications for encoders are : machine tools, specific machineries, robots, motor drives, lifts, handling, cranes, speed controllers, packing machines and various industries such as textile, tyre, cable, plastic, automatic sorting.

Main Characteristics :

PRECILEC encoders use a differential optical and ratio metric principle to minimize temperature and photodiode aging effects.

Their universal complementary push-pull output interface and their large supply voltage range make them very easy to connect to most of electronic control units.

Shaft type : 20, 25, 30, 42 mm and 1inch, stainless steel through hollow shaft.

Housing diameter : 90mm.

Pulses per turn : 1024.

Fixation spring plate – Termination Radial cable, M23 and MS310 receptacle.

Operating temperature range (encoder body) : - 25° C / + 85° C.

Electrical Characteristics :

Supply voltage : 4,5 to 30V DC with reverse polarity protection.

Output signals Universal complementary push pull, short circuit protected (7272) RS422 compatible with 5V supply voltage.

Mechanical Characteristics :

Max speed : 3000rpm.

Protection : IP66 at shaft end, IP 66 at housing (IEC60529).