

ORIENTAL MOTOR - 42MM AZ STEPPER MOTOR WITH ABSOLUTE POSITIONING, ELECTROMAGNETIC BRAKE AND HARMONIC GEARBOX

AZM46MC-HS100

42mm AZ Series Harmonic Gear Stepper Motor with Absolute Mechanical encoder and brake (Gear Ratio: 100:1) (AC Input)



- Absolute positioning without battery
- Up to 5 Nm output torque
- Highest torque for given size
- Can be ran in stepper mode or servo simulation for variable loads
- RS-485, Ethercat, Ethernet/IP or Profinet drive options

PRODUCT DESCRIPTION

The Oriental AZ Series stepper motors offer high efficiency, low vibration and incorporates a Mechanical Absolute Encoder for absolute-type positioning without battery back-up or external sensor.

Closed loop performance without hunting or gain tuning.

Easy to program through a windows based PC using MEXE02 free software, the AZ drives offer up to 256 control commands and allow for motion profiles to be set and called upon.

Drive options for Profinet, Ethercat, Ethernet/IP.

Also available with a built-in controller or pulse input driver which substantially reduces heat generation from the motor through the use of high-efficiency technology.

Requires αSTEP AZ Series Driver.

- Battery-Free, Mechanical Absolute Encoder Stepper Motors
- Closed Loop Performance, No Hunting or Gain Tuning
- AC or DC Input Types
- Parallel Shaft and Right Angle Geared Types for Higher Torque, Space Savings
- Electromagnetic Brake Type Available

αSTEP AZ Series Stepper Motor Driver Required*