



## ASY-CONT-300-8 Series Motion Controller

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- **ASY-CONT-300-8** is a motion controller capable of displaying up to 8 axes and is specially designed to control up to 127 axes when grouped into different configurations in a typical antenna or RCS measurement system for accurate antenna and RCS measurements
- The **ASY-CONT** family of controllers form the core of a distributed control system, where each positioner has its own drive. ASYSOL controllers provide flexibility and support for a variety of motors and position feedback systems. Depending on the requirements, servo, stepper, DC, AC or linear motors of any power level may be used. A variety of incremental and absolute encoders as well as dual loop control are supported.
- Remote system diagnostics are supported online and by Ethernet connection.
- Full control can be obtained using the front panel, a PC, laptop or tablet.
- **Options:**
  - Simultaneous movement of two or more axes
  - Correction tables can be included to improve the positioning accuracy of axes



## SYSTEM PROPERTIES

Remote control	PC, laptop or tablet
External Interfaces	Ethernet, CAN bus or USB
Digital Outputs	7 (24VDC or TTL) + 1 (TTL)
Fast Digital Outputs (RT, Trigger)	0
Fast Digital Inputs (RT)	0
User Units	mm or deg
Angular format	Degrees. 3-decimal
Max. Number of Axes	8 per configuration (127 in total)

## ELECTRICAL CHARACTERISTICS

Voltage	220V
Frequency	50-60Hz
Current	10A

## OPERATING CONDITIONS

Storage	-10° to +70°
Operation	0° to +50°

## DIMENSIONS

Width	500mm
Height	267mm
Depth	483mm
Weight	12kg

## Summary of Features

- Based upon a modular architecture for ease of maintenance
- Real-time distributed control system for motion and RF control
- Fully compatible with ASYPOS positioner series and ASYSCAN scanner series
- Communication bus: CANOpen
- Manual control from the display
- Supports a variety of motors and feedback systems
- Trigger control
- Supports timing of RF instruments
- Language: English, Spanish and French
- Serviceable and upgradable firmware remotely or by USB, subject to your PC running the necessary LAN development environment
- Sequential axes control
- Position mode: command an axis to achieve a precise position
- Swept mode: command an axis to move at a constant velocity between two predefined points generating TTL pulses at periodic points
- Manual mode: move an axis with the manual potentiometer located on the front of the controller

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