

Ergonomic Tool Arms, LLC

AMSA Model Smart Arms ...Electrical Specs

Absolute Measuring Range	360 degrees - Single Turn
Resolution	12 bit (4096) (2^{12})
PLC I/O requirement	12 bit - 1 wire per encoder
Repeatability	0.1 of a degree
Input supply voltage	24VDC nominal (18 to 30 V)- Not sensitive to Voltage Variations
Input supply current	15 mA per encoder (30 mA per arm)
Output	4 TO 20 mA
Controller Load Required	500 Ohm Max
Output Cable	Two 4 pin MALE M12 connectors on 6" cables (1 cable for X and 1 for Y axis). Customer can provide extension cables any length needed. Pin 1 Supply Voltage Pin 2 Output Current Pin 3 Ground Pin 4 not assigned
Description	Touchless Hall Technology Ridgedly Mounted, No Shaft Coupler Encoder Mechanically decoupled from Tool Arm Shafts Wear Free - Unlimited Life Not sensitive to dirt and dust (unless ferrous) Durable and accurate

