

Ergonomic Tool Arms, LLC
AVSA Model Smart ArmsElectrical 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	0.1 to 10.0 VDC
Controller Load Required	10K Ohm or greater
Output Cable	Two 4 pin MALE M12 connectors on 6" cables (1 cable for Y and 1 for X 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

