

AMC300

1016668

Technical Specifications

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|---------------------------------|--|
| General Specifications | |
| type of instrument | multi-functional piezo controller for closed loop positioners |
| number of axes | up to 3 for table top, up to 6 for rack version |
| connector to product (pos/mic) | 3 x D-Sub HD 26-Pin |
| Modes of Operation | |
| open loop positioning | stepping and fine positioning mode for AN* series positioners |
| closed loop positioning | closed loop control for AN*/RES positioners |
| remote operation | USB 2.0, Ethernet port, remote control (DS5) |
| no. device per operation | control of multiple devices via one PC via Daisy chaining (/PRO - Feature) |
| Size and Dimensions | |
| chassis | 22 x 22 x 8.8 cm ³ (table top); 19", 2 rack units (rack versions) |
| weight | approx. 2 kg (table top); approx. 2.5 kg/4,5 kg (single/double rack) |
| Controller Hardware | |
| power supply | 100/115/230V, 50 .. 60 Hz |
| connector | IEC inlet |
| connection cable (ELE - POS) | 1 per axis, length: 2m |
| Software Drivers | |
| driver options | directly through a JSON-based REST API Wrappers for Python, LabVIEW, Matlab, C-Library (Windows/Lin), C# |
| Output Signals | |
| output voltage range | stepping : 0..65 V; fine positioning : ± 65 VDC |
| frequency range | stepping : 0 .. 5 kHz (1 axis); stepping : 0 .. 2 kHz (3 axes simultaneously) |
| output current | stepping : max > 16 A peak |
| maximum capacitance load | 2 µF |
| setpoint bandwidth | 20 Hz |
| output noise | stepping: < 5 mVpp, fine positioning: < 1.3 mVpp (both 500 kHz bandwidth) |
| resolution of signal generation | 680 µV (16 bit) |
| Trigger Signals | |
| trigger level definition | LVDS, LVTTTL |
| input trigger | 1 per axis |
| trigger interface | GPIO - port |
| Remote Controller | |
| type of remote controller | DS4 Dualshock controller |
| modes of movement | single steps and continuous movement (via stick) |
| wireless range | 10 meters in free space |
| connection | Bluetooth or cable |
| Features and Upgrades | |
| dual-channel upgrade | activation of the second axis connector for positioners |
| tri-channel upgrade | activation of the second and third axis connector for positioners |
| /PRO feature (always included) | enhanced functionalities and control for closed loop operation |
| /IO feature (always included) | realtime interfacing with external signals (through GPIO port) |

