

AMC100

Art.Nr.: 1013507

Technical Specifications

Application System

Machine Vision

Manual Positions

Motion Control Products

Optical & Mirror Holder

Optomechanics

Holders

Factory Automation Parts

Measurement & Control

FA Electrical Parts

Laser

Tools & Clean Parts

Nanometer Stages

Precision Linear Motorized Stages

High Speed Motorized Stages

Motorized Goniometer

Multiaxis Motorized Stages

Motorized Rotation Stages

Industrial Robot

Controller & Driver & Cable

Custom-Built Motorized Stages

General Specifications	
type of instrument	3 axes motion controller
number of slots	3
connector to product(pos/mic)	3 x D-Sub H/D 26pin
temperature range	0 - 40°C, non condensing
Modes of Operation	
open loop positioning	stepping signals for slip-stick positioners
closed loop positioning	closed loop control for ECS/NUM positioners
remote operation	Ethernet, WLAN (optional, planned), USB for hand-held controller (optional, planned)
positioning mode	stepping, fine positioning, closed loop positioning
no. device per operation	control of multiple device via one PC
Size and Dimensions	
chassis	22 x 22 x 4.5 cm ³
weight	2 kg
Controller Hardware	
power supply	12 VDC
power consumption	max. 30 W
connector	DC
connection cable (ELE - POS)	1 per axis, length: 2m
Software Drivers	
Windows, Linux	Stand-alone application for Windows XP™, 7™, 8™, 10™, DLL,
communication speed	AquadB : up to 25 MHz, LabVIEW™ : up to 300 Hz

Output Signals	
output connectors	26-Pin SubD connector
output voltage range	stepping : 0 .. 45 V
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	fine positioning : 1 kHz
output noise	stepping : < 5 mVpp (500 kHz bandwidth)
Trigger Signals	
trigger level definition	LVDS, LVTTL
input trigger	1 per axis
trigger interface	GPIO - port
Options and Upgrades	
optional upgrades	PRO : activation code (art. no. 1013511), SYNC : activation code (art. no. 1013511)
Options	
software upgrades	I/O, PRO
Versions	
PRO Upgrade	1013511
I/O Upgrade	1013885

