griffin analytical

The Argos™ quadrupole instrument controller provides both waveform generating functions and timing controls. Argos is designed and intended for use with developmental quadrupole ion trap or linear quadrupole mass spectrometers.

ARGOS HARDWARE SPECIFICATIONS	
Waveforms	20 MSPS / Mathematical formula
Waveform Outputs	2 Waveforms / 2 Phases each
Waveform Duration	12 seconds Maximum
Waveform Voltage	1 @ 10V Peak-to-Peak SE 20V Peak-to-Peak Differential (A) 1 @ 20V Peak-to-Peak SE 40V Peak-to-Peak Differential (B)
Scan Trigger Points	15 Points Maximum
Data Acquisition Channels	2 Input A/D Channels
Data Acquisition Sampling Rate	250 KS/s A/D input channel 2.5 V (CEM compatible pre-amplifier is also available)
Digital Control	During Scan: All Control Outputs
Analog Control	During Scan: Abundance, Measured Voltage
Control Inputs	14 Channels - Analog (0-4V) 16 Channels - Digital (5V tolerant)
Control Outputs	15 Channels - Analog (0-4V) 16 Channels - Digital (Open collector output)
Data Acquisition Input	Channel 1 - 2.5V - BNC Connector Channel 2 - 2.5V - 78 Pin Connector
Electrical Interface	BNC connectors for generated waveform output and data acquisition Channel 1 inputs - front mounted 78 pin high density D-subminiature interface connector for control and I/O - front mounted (Mating plugs and pins provided in unit.) RJ45 Ethernet 10/100 network connection - Rear mounted DB-9 connector for RS-232 interface - Rear mounted (To Set Ethernet Parameters)
Power Requirements	115-220 VAC, 50/60 HZ (internal UL approved power supply)
Dimensions	19 in. rack mount (2U) 14.3 in X 18.8 in X 3.4 in (36.7 cm X 48.3 cm X 8.8 cm)