DELSYS®

Bagnoli™ EMG Systems

Ideal for the experienced Scientist or the Novice alike, the Bagnoli™ line of EMG Systems offers a premier range of tools for all Electromyographers. Constructed with patented technology, these systems use our innovative parallel-bar sensors and include an array of features designed to make EMG and other physiological recordings effortless and consistent.

- 2, 4, 8 & 16-Channel models
- Reliable components
- Hassle-free connections
- Unobtrusive, low profile design
- IEC601-1 Medical Standards
- CE Mark, 510K Clearance
- Electrically Isolated

Assurance

Focus on your research while our systems verify signal quality.

- 50/60 Hz Line Interference Check
- Amplifier Saturation Check
- Visual LED Indicators
- Optional Audio Indicator

Versatility

Each isolated channel has settings for EMG Sensors as well as Biosignal Sensors.

- Goniometers
- Accelerometers
- Foot Switches
- EKG Sensors
- Load Cells
- Respiration Sensor

Reliability

Compatibility

Guaranteed integration with all data acquisition systems.

- Isolated Channels
- BNC Outputs
- Integrated A/D Connector
- Start & Stop Triggering

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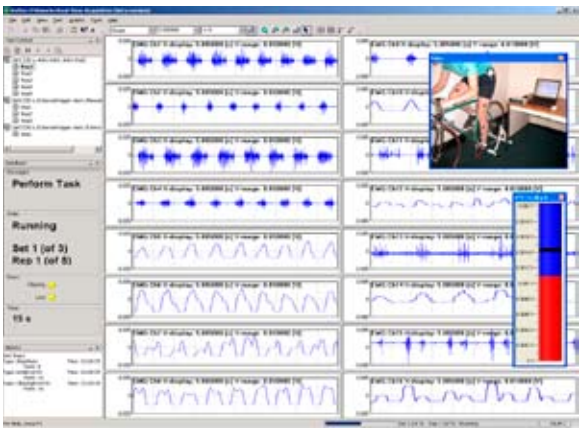
Specifications

	Bagnoli™-16	Bagnoli™-8	Bagnoli™-4	Bagnoli™-2
Mechanical				
Main Amplifier				
Dimensions	406 x 152 x 70 mm	205 x 108 x 57 mm	205 x 108 x 38 mm	100 x 65 x 40 mm
Mass	2.1 kg	0.8 kg	0.5 kg	0.3 kg
Enclosure Material	FR-ABS Plastic	FR-ABS Plastic	FR-ABS Plastic	ABS Plastic
Temperature Range	0-40° C	0-40° C	0-40° C	0-40° C
Sensor Input Module				
Dimensions	89 x 83 x 32 mm	89 x 83 x 32 mm	61 x 58 x 25 mm	Not Applicable
Mass	100 g	100 g	64 g	Not Applicable
Enclosure Material	FR-ABS Plastic	FR-ABS Plastic	FR-ABS Plastic	Not Applicable
No. of Inputs	16 EMG/Auxiliary	8 EMG/Auxiliary	4 EMG/Auxiliary	2 EMG
Tether				
Length	7.5 m (up to 15 m)	7.5 m (up to 15 m)	7.5 m (up to 15 m)	7.5 m (up to 15 m)
Diameter	4 mm	4 mm	4.5 mm	4 mm
Jacket Material	PVC	PVC	PVC	PVC
Electrical				
Overall Amplification	100, 1000, 10000, custom ±1%	100, 1000, 10000, custom ±1%	100, 1000, 10000, custom ±1%	100, 1000, 10000 ±1%
Overall Bandwidth	20-450 Hz, custom ±10%	20-450 Hz, custom ±10%	20-450 Hz, custom ±10%	20-450 Hz ±10%
Overall Noise	≤ 1.2µV (RMS, R.T.I.)	≤ 1.2µV (RMS, R.T.I.)	≤ 1.2µV (RMS, R.T.I.)	≤ 1.2µV (RMS, R.T.I.)
Power Consumption	5.8 W (typical)	4.2 W (typical)	2.9 W (typical)	90 mW (typical)
Leakage Current	<100 µA	<100 µA	<100 µA	Not Applicable
Voltage Isolation	6000 VDC, 4200 VAC (RMS)	6000 VDC, 4200 VAC (RMS)	6000 VDC, 4200 VAC (RMS)	3750 VAC (RMS)
Line Error Range	50, 60 Hz	50, 60 Hz	50, 60 Hz	Not Applicable
Saturation Error Threshold	± 4.8V (output)	± 4.8V (output)	± 4.8V (output)	Not Applicable
Medical Device Conformity	IEC 601-1, CE mark, 510 K	IEC 601-1, CE mark, 510 K	IEC 601-1, CE mark, 510 K	IEC 601-1, CE mark, 510 K
Classification	Class I (93/42/EEC), Type BF	Class I (93/42/EEC), Type BF	Class I (93/42/EEC), Type BF	Class I (93/42/EEC), Type BF

EMGworks®

Signal Acquisition & Analysis



- Full-Featured Data acquisition package
- Comprehensive real-time display controls
- Acquisition Protocols, RMS feedback, video capture
- Analysis Module includes extensive signal processing tools
- Intuitive Graphical User Interface
- Accepts EMG and auxiliary signals