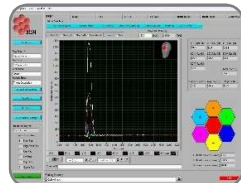


Ballistic Load Sensing Headform

DYNAMIC IMPACT FORCE MEASUREMENT FOR HEAD INJURY ASSESSMENT



- Ballistic helmet testing
- Less-lethal ammunition safety evaluation
- Head injury research for behind armor effects
- ISO head shape, front/rear/left/right/crown sites, 3 headform sizes available
- Head force transmission measured with 7 force sensors at each sensing cluster cover with shaped skin pads
- Includes neck, adjustable support base, junction boxes, ruggedized portable case with mounted electronics and cables
- Computer, amplifiers, data acquisition system, BLSH software, signal validation package available
- Ballistic limit (sacrificial) headform available for perforation assessment
- Software measures and outputs peak total force, individual force, average force, impulse, duration, center of pressure location



Specifications

Sensor:	Uniaxial, piezo-electric 22 kN max. each, <30 kHz	Data Conditioning:	30 kHz, 4-pole Butterworth
Sensor Layout:	7 sensors, 2940 mm ²	Software:	Biokinetics' BLSH Software Output: peak, avg. and individual forces, impulse, duration, center of pressure.
Data Collection:	16 ch at 100 kHz synchronous ±10 V input / 16 bit	Part Number:	BLSH-003

Physical and Electrical

Headforms:	ISO type, circumferences: S=535 mm, M=575 mm, L=605 mm, 5 kg each approx.	Electronics Cabinet	W 686 x D 956 x H 473 mm, 40 kg
Support Base:	W 385 x D 405 x H 505 mm without headform, 29 kg	Electrical:	120 VAC @ 60 Hz / 240 VAC @ 50 Hz 800 W min.

Warranty

All components:	1 year limited
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(All specifications are subject to change)