

SMALL ADAM

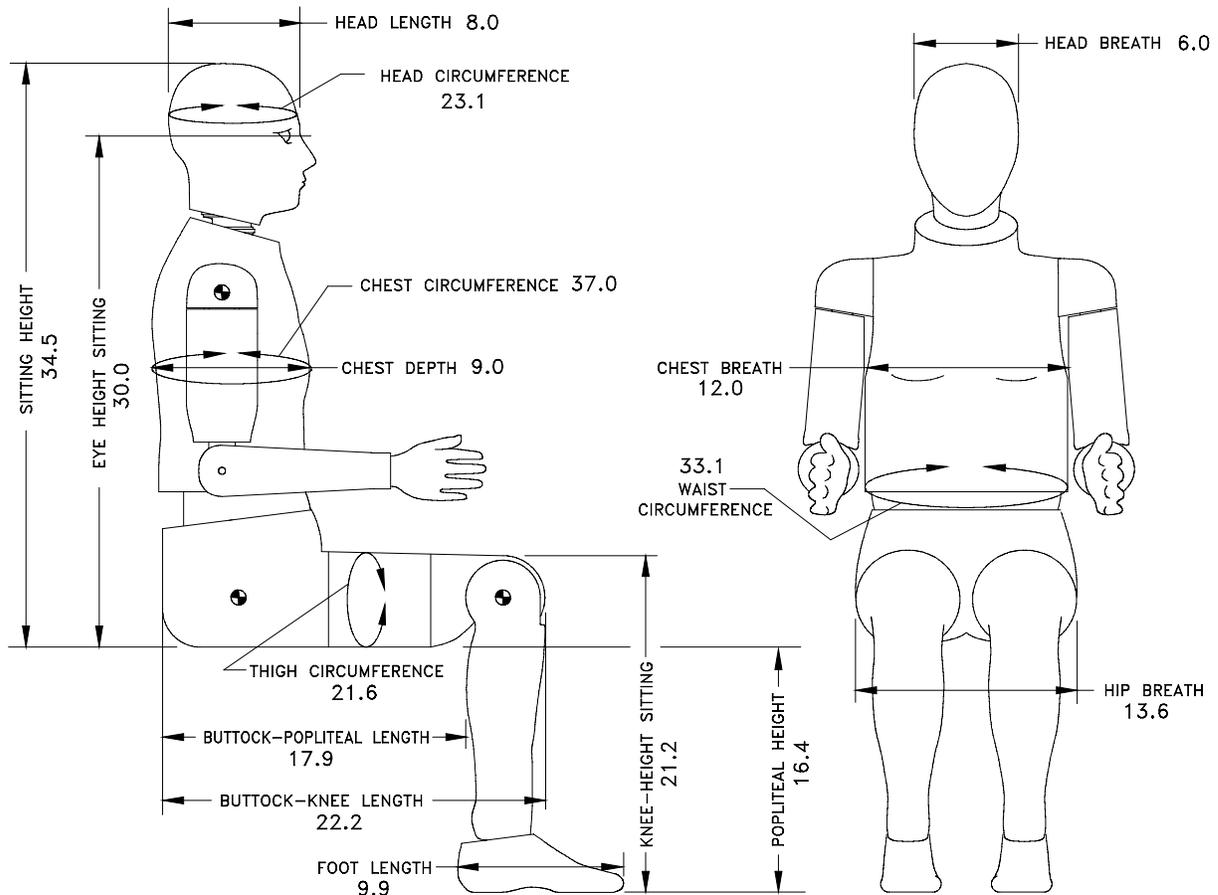
STATURE: 5'- 6 1/4"
WEIGHT: 142 Pounds

INSTRUMENTATION:

- 6-Axis head/neck load cell
- 3-Axis head accelerometers
- Head Y-Axis angular accelerometer
- 3-Axis chest accelerometers
- 3-Axis chest angular rate sensors
- 64 Channel DAS
- Chest Y-Axis angular accelerometer
- 6-Axis Lumbar load cell
- 3-Axis lumbar accelerometers
- Tibial rotation load cells
- 28 Rotary Transducers
- Hand break-away force load cell
(can be used to in place of hand)

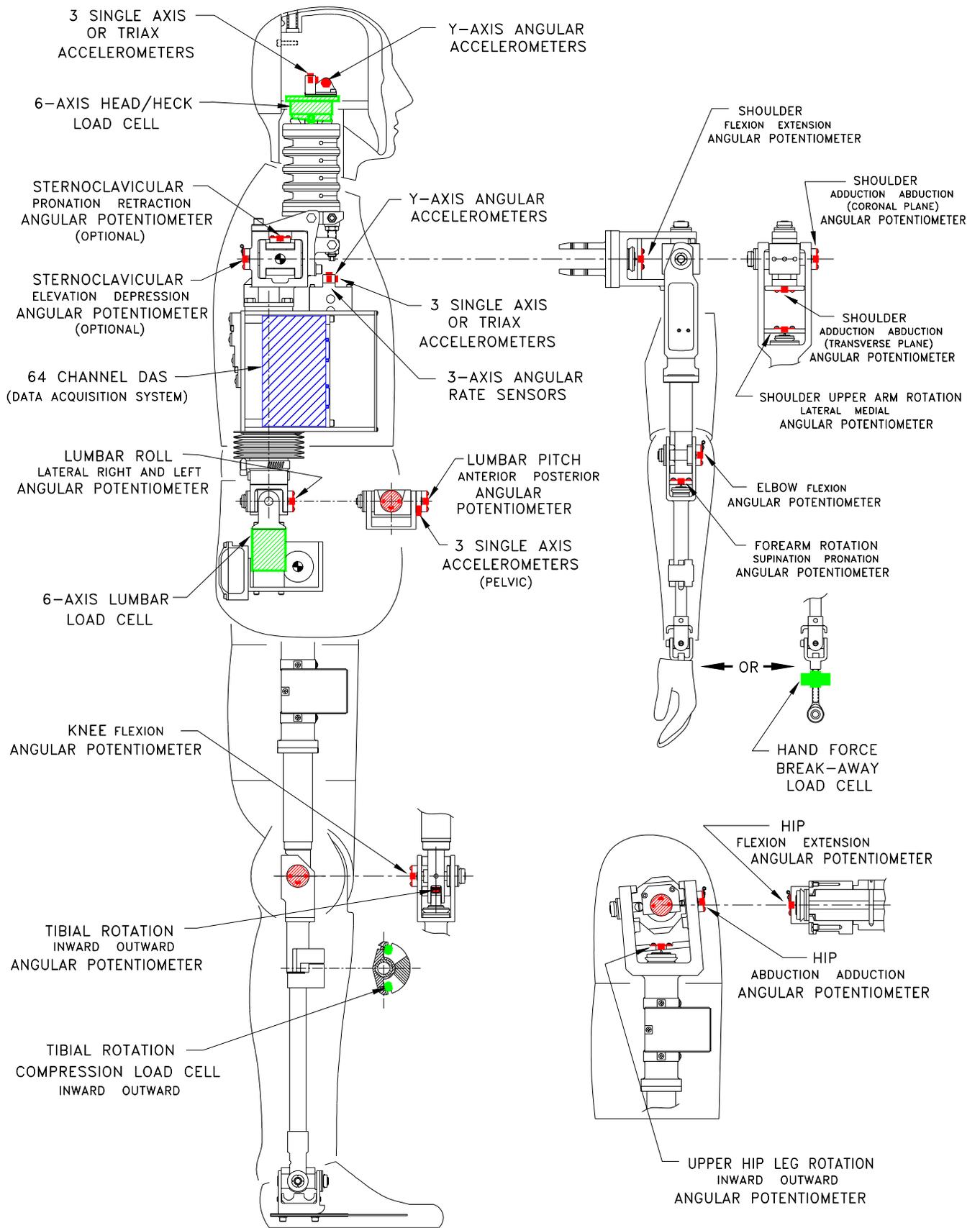
DESCRIPTION OF MOTION (Measured with Built-in Potentiometer)	MOTION W/Soft Stops (Degrees)
Shoulder Sternoclavicular Elevation/Depression (optional)	+ 2 & - 2
Shoulder Sternoclavicular Pronation/Retraction (optional)	+ 2 & -2
Shoulder Flexion/Extension	+ 155 & - 45
Shoulder Adduction/Abduction in Coronal Plane	- 150 & + 40
Shoulder Adduction/Abduction in Transverse pl	- 125 & + 35
Shoulder Upper Arm Rotation Lateral/Medial	- 5 & + 105
Elbow Flexion (end of motion)	+ 125
Forearm Rotation Supination/Pronation	- 75 & + 55
Wrist Radial Ulnar/Deviation	+ 40 & - 20
Wrist Dorsiflexion/Palmarflexion	- 77 & + 77
* Upper Body Rotation	-15 & +15
Lumbar Roll Laterally	+2 & -2
Lumbar Pitch Anterior/Posterior	+17 & -17
* Spine Compression	-.75 inches
Hip Flexion/Extension	+ 84.5 & - 3
Hip Abduction/Adduction	- 45 & + 15
Upper Leg Rotation Inward/ Outward	+ 37 & - 37
Knee Flexion	- 90
Tibial Rotation Inward/Outward	+ 22 & - 32
* Ankle External Dorsiflexion/Plantarflexion	+ 14 & - 34
* Ankle Inversion/Eversion	+ 25 & - 6

* Motion not measured



ALL MEASUREMENTS
IN INCHES

AUG/2000



ADAM INSTRUMENTATION LOCATIONS