

The most advanced data acquisition and analysis system in the market place;
offers precise measurement of human motion...

The MotionMonitor™ with Support for Scripted Protocols

- ❑ The MotionMonitor has introduced user-defined protocols for digitizing landmarks during subject setup and user-defined script files to control the posting of messages, loading of preference files, and initiation of data collection.
- ❑ User-defined protocol and scripting functions ensure a more consistent and accurate data collection experience without restricting the broad range of options presently available to the researcher.
- ❑ In the image below, "Use protocol" has been checked for defining Segment Axes and Endpoints. The edit dialogs allow the user to specify the number and specific name of landmarks to be digitized. The user is then free of the keyboard and mouse during setup.

The screenshot shows the 'The MotionMonitor by IST - Activity1' software interface. The main window has a menu bar (File, Edit, View, Window, Setup, Capture, Analyze, Interact, PhysTherapy, Administration, Help) and a toolbar with buttons for Record, Play, Stop, and various icons. The 'Setup Subject Sensors' dialog box is open, showing options for mass capture method (Enter manually: 75 kg, Use forceplates, Use Pidco plates, Use force scales), height capture method (Enter manually: 180 cm, Use moveable sensor), neutral stance configuration (Standard position per operating manual, Shoulders flexed 90 degrees, Anatomical neutral), orientation of segment axes (Use default, Digitize points on longitudinal/anterior axis, Digitize points on a plane, Digitize each point by centroid), and segment landmarks (Digitize segment landmarks, Use protocol). The 'Segment Axes Protocol' dialog box is also open, showing a table of segment landmarks and their positions.

	# Pos.	Position #0 Name	Position #1 Name	Position #2 Name
Head, proximal end:	0			
Head, distal end:	0			
Head, third point:	0			
Head, origin:	0			
Thorax, proximal end:	2	T8 SPINOUS PROCESS	XIPHOID PROCESS (PX)	
Thorax, distal end:	2	C7 SPINOUS PROCESS	JUGULAR NOTCH (J)	
Thorax, third point:	1			
Thorax, origin:	1			
Lumbar, proximal end:	0			
Lumbar, distal end:	0			
Lumbar, third point:	0			
Lumbar, origin:	0			
Sacrum, proximal end:	0			
Sacrum, distal end:	0			
Sacrum, third point:	0			
Sacrum, origin:	0			
Left Scapula, proximal end:	0			



...The Total Solution in Motion Capture®

Real time **data** acquisition, analysis, and 3D visualization.
Turnkey **hardware** solutions. Upgradeable as your needs change.
Research Design & System Engineering **consultation**.

- ❑ Scripts provide an elegant method for creating incredibly complex data collection completely under computer control without intervention from the researcher
- ❑ Scripts can be edited and saved in the Setup Menu and run in the Interact Menu.
- ❑ Message commands can be presented to prompt the data collector to perform specific trials or establish desired conditions for collection.
- ❑ The “Pref” command loads the preference files which allow data collection to proceed automatically from trial to trial with completely different conditions and logic controls as specified in the capture, biofeedback and playback parameters.
- ❑ The “Biofeedback” command will initiate collection of data as specified in the preference file.

