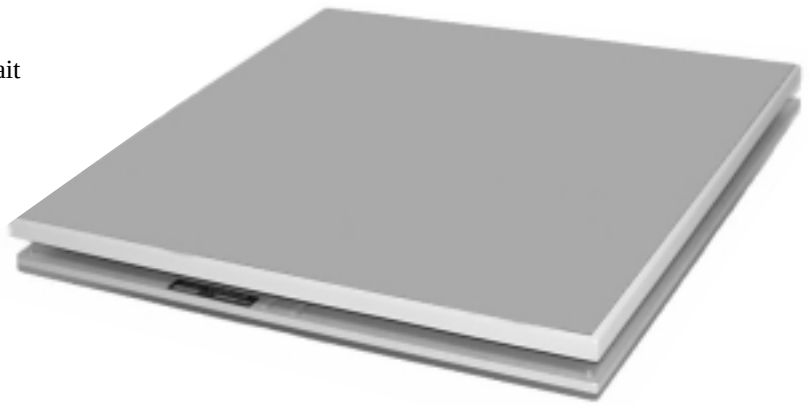
AccuGait

For Portable Gait & Balance Measurement

DESCRIPTION

AMTI's AccuGait System is a complete portable solution for quantifying and analyzing human gait and balance. The AccuGait is accurate, economical, and easy to use with AMTI's powerful NetForce/BioAnalysis software package. The AccuGait System features:

- **Mult-component Measurement**
  The platform measures the three forces (Fx, Fy, Fz) and the three moments (Mx, My, Mz)*
- **No A/D Requirement**
  The system electronics are built-in so it can plug directly into a serial port.
- **No Necessary Mounting**
  Just place the platform on a flat surface.
- **Minimal Components**
  Only the platform, cable, power supply, and a computer are needed to collect data from most sites.
- **Powerful Analysis**
  The system utilizes the advanced analysis module of AMTI's BioSoft software.



SOFTWARE

AMTI's NetForce/BioAnalysis software acquires, analyzes, and plots data from the AccuGait platform at a rate of 50, 100, or 200 sets per second. NetForce provides a simple user interface and extensive database function for easy trial set-up and data acquisition. BioAnalysis performs a comprehensive analysis of the gait data and presents many summarizing parameters that can be averaged across numerous selectable trails.

BioAnalysis offers various data plots, including:

- Forces/Moments vs. Time
- batch processing of plots
- Overlays of various trials for comparison
- Custom plot design

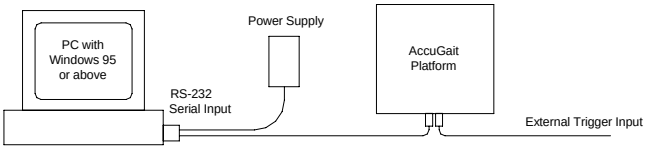
BioAnalysis calculates statistical parameters using data from a single data file or from multiple sets of data files. BioAnalysis' ability to calculate the minimum, maximum, average, and standard deviation across a set of data files allows the easy compilation of a baseline for any study.

BioAnalysis allows the user to export the raw channel data and statistical parameters to ASCII files to be imported into spreadsheet programs like Excel, LOTUS, etc., for further analysis.

AccuGait Platform Specifications

Fz Capacity:	600 lb
Fx, Fy Capacity:	100 lb
Mz Capacity:	1000 in-lb
Mx, My Capacity:	4000 in-lb
Fz Natural Frequency:	150 Hz
Fx, Fy Natural Frequency:	150 Hz
Height:	4.4 cm
Length x Width:	50 x 50 cm
Weight:	11.4 Kg
Data Rate:	Software selectable 50, 100, or 200 Hz
Interface:	RS232 serial port, 57.6K Baud, 8 bit, 1stop bit, no parity
Data Transmission:	Proprietary binary format
Power Supply:	12V DC, 110V or 220V input power supply included
Cable Length:	4.5 m
External Trigger:	Optoisolated signal input 0-0.9V (low) 2.5-15V (high), protected to ±18V
Interface Software:	NetForce/BioAnalysis software
Minimum Computer Requirements:	Windows 95 operating system Desktop: Pentium 133 MHz, 16 MB Ram Laptop: Pentium 233 MHz, 32 MB Ram

AccuGait System Set-up



ISO 9001 CERTIFIED

AMTI

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