KINE Pro

First truly wireless EMG!

Features

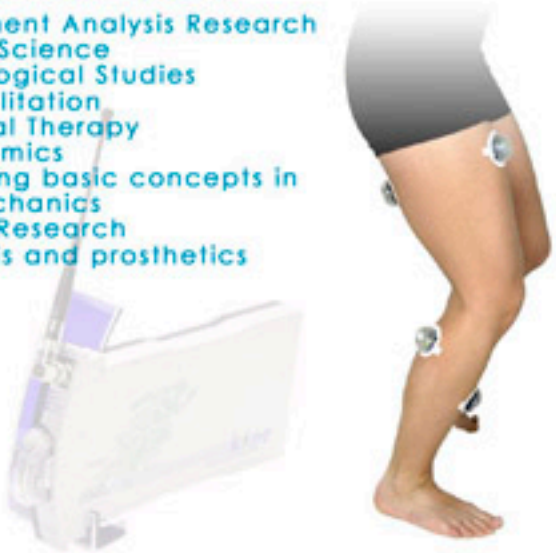
- Immediate viewing of acquired data on screen
- Exact synchronization of EMG and Video data
- The quickest to learn system available
- Graphical representation of data
- Integral database
- Report generator for gait reports
- Multiple options of export/import of data
- No VCR or TV needed
- EMGs enable total freedom of motion: no cables at all!
- Ultra-light (30g) intelligent EMG units
- Same receiver can be used for other drop-in signals
- Powered by rechargeable batteries
- Creates ASCII files for use by other software
- MS Windows user friendly environment

Benefits

- Fast and easy evaluation of data
- Scientifically reliable data
- Portable, laptop installation possible
- Can import video from other sources
- Brings objective methods to the clinical setting
- Makes research more efficient
- Fast gait reporting enables use in clinical routine
- A single integrated solution (not a collection of products)

Applications

- Movement Analysis Research
- Sports Science
- Neurological Studies
- Rehabilitation
- Physical Therapy
- Ergonomics
- Teaching basic concepts in biomechanics
- Infant Research
- Orthosis and prosthetics



Specifications

EMG System

- Battery life for uninterrupted power ON mode: 45 minutes
- Battery charging cycle: 1000
- Transmitter output power: 0,1-10 [mW]
- Per channel radio bandwidth: 100 [kHZ]
- Transmission frequency: 433,05 - 434,79 [MHz] ISM Band
- Size: H: 16 [mm], W: 46 [mm], L: 56 [mm]
- Weight: 30 [g]
- Max. number of channels: 12
- Minimum number of channels: 1
- Radio range: 50 [m]
- Sampling frequency: 1562,5 [Hz]
- Signal bandwidth: 10 - 500 [Hz]
- Input impedance: 10 [GO]
- Common mode rejection ratio: 110 [dB]
- Sensitivity: 4 [mV]
- Output format digital: RS232
- Power requirement: 110/220 [V], 50/60 [Hz], 20 [W]
- Operating temperature: 0-50 °C
- Electrode placement: triode with electrodes 20mm apart

Software & Motion Analysis System

- **Number of video inputs:** 1(Fire Wire) PAL or NTSC
- **Tracking:** Manual and automatic
- **Visual tools:** Marker, ruler, goniometer, timer
- **Measurable quantities:** Positions (x,y), lengths, angles and time span(ms)
- **Analyzing capabilities:** EMG graphs, frames, X and Y coordinates, lenghts, angles, time and the derived velocity and acceleration data.
- **Import/Export:** Measurements can be exported and imported via XML or ASCII format.
- **Use of clipboard:** Tools, images and EMG data can be copied to the clipboard and pasted into other applications.
- **Modes/Windows:** Recording, preview, measuring, graph windows. Slow and fast replay. Single or multi frame jump.
- **Organization:** Database with group, patient, research and measurement in hierarchical order.
- **Calibration:** Origin can be put anywhere on screen. Scale can be calibrated to a known length in image.
- **Reporting:** Single sided gait report, double sided gait report

KINE

Pioneer in Biomedical Engineering

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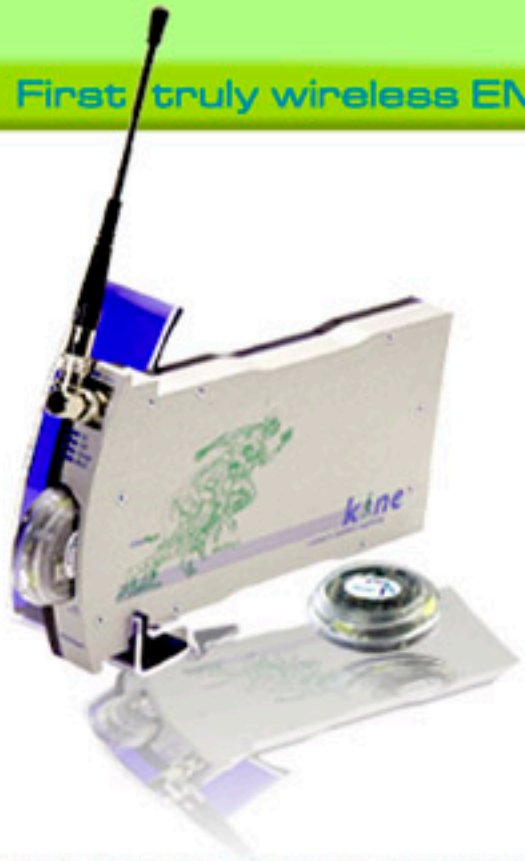
KINE Pro

The Kine Motion Analysis Solution

- Measure and document kinematics and EMG
- Single click Video and EMG data synchronization
- Maximum quality of data through digital transmission
- Advanced capturing and data processing techniques
- Easy to use



Product description

KinePro is the full integration of KineView and KineMyo, as one professional movement analysis solution.

KineWorks is a 2D Windows based motion analysis software. It records video and EMG with a single button click.
With KineWorks you can have immediate viewing of the acquired data on the screen and measure values with the mouse cursor. AVI files are generated and saved. Built-in database keeps track of all recordings and the user don't have to think about filenames. Further, the synchronization of EMG signals with the video data ensures validity and reliability. KineWorks allows for the input of up to 12 EMG channels. KineWorks provides the user with four different interactive tools to be used for video analysis, featuring as well the automatic tracking option. The high versatility of KineWorks makes it an excellent resource for movement analysis studies, biomechanics, rehabilitation, physical therapy, neurology, sport science, and ergonomic studies. KineWorks also have integrated automatic reports enabling gait-reports in less than 5 minutes. All data can easily be exported via files or clipboard. AVI files can be imported e.g. from a high-speed camera.

KineMyo is the ultimate in EMG technology. These surface EMG units are the most advanced units available on the market today. Data is transmitted via radio waves to a computer-connected receiver. Snap-on electrodes enable fast patient connection; no belts or any other accessories are necessary. No leads are necessary to any central unit, the units are completely wireless. This enables the subject to have the utmost freedom of movements. The signal is digitized about 5mm above the skin measured, eliminating external noise and giving the highest quality of signal. The intelligent EMG units enable data acquisition from as far as you want. Even if the receiver is out of reach, data will still be collected and stored by each unit. This data can be recovered as soon as the unit is within range again. No data is lost.
There are no distance limits with KineMyo!
KineMyo is available in 1, 4, 8 and 12 channel versions.

KinePro is the integrated and synchronized professional solution for movement analysis, combining video, 2D movement analysis and EMG data acquisition.
With KinePro motion analysis becomes simple and easy, yet highly objective and precise.

WWW.KINE.IS