



INFOTRONIC

MEDICAL
INDUSTRIAL ENGINEERING

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Dear Sir/ Madam,

Thank you for your interest in our INFOTRONIC CDG ULTRAFLEX Gait analysis system.

Infotronic has developed a polygraphical motion analyser named ULTRAFLEX. The unit is wireless, small and light, (walkman size) and very easy to use. It does not influence the motion to be measured.

This system can be used everywhere, and is not bound to one examination room, because it is fully portable and location independent. You can record motion everywhere, where you want: in the gait lab, but also on stairs, on the sports field, the possibilities are unlimited!

ULTRAFLEX is a 4-in-1 Gait analysis system:

1. 16 channels of CDG
(CDG=Computer Dyno Graphy, recording the dynamic force distribution under the foot during gait)
2. 16 channels of EMG (very accurate and very low noise)
3. 16 channels Gonio (angle measurement of any joint, in two planes per joint)
4. 4 channels of high speed digital video (up to 100 frames/sec).

All this functionality is built into one small case, so synchronisation of the various components is guaranteed to be perfect.

The system is built modularly: every desired combination of functions can be supplied separately, and can be extended with the other components at a later date.

For recording EMG, Gonio and CDG, we use active cables. This means that the pre-amplifiers are located directly at the point where the sensor is connected, instead of in the measurement unit. This prevents cable artefacts, that could otherwise occur with moving cables (we are taking measurements on people in motion!).

This guarantees perfect signal quality.

The software will run on any version of Microsoft Windows from Windows 98 onwards, and is very user-friendly. Data is displayed on a (or more!) high-resolution 21" monitor(s). You can select from any combination of analyses: CDG, EMG, Gonio, Video, all synchronised. In this way, it is very easy to study the correlations between the various signals.

The software contains an automatic report generation function: You define the desired page-layout once, and every measurement is automatically printed out with these settings.

The Ultraflex system is designed for day-to-day use in a clinical environment. Performing a CDG measurement inclusive printout will take only 5 minutes!

Ultraflex CDG: the perfect solution for gait analysis in a clinical environment!

Looking forward to hearing from you,

Yours faithfully,

Ing.J.A.M.Maathuis

Marketing manager Infotronic