

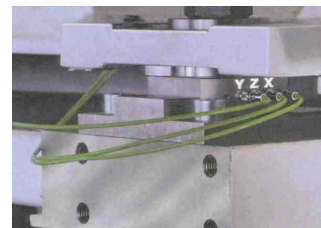
Website : www.medical-developpement.com

Running analysis Treadmill : ADAL3DC

The **ADAL 3DC** Treadmill measures dynamically and continuously, the three spatial components of the foot contact force, during the running.

Intended use :

- Study of the running technique
- Performances improvements
- Study, qualification, equipment comparison, like shoes.
- Electromyography
- Measurement of the foot arch pressure
- It is possible to associate the ADAL 3DC Treadmill, with many other technical evaluation, like image analysis



The ADAL 3DC is delivered with an acquisition card and ADIRUN2013© software

Acquisition card : National Instrument – type NI6029

- 16 analog inputs
- 2 analog outputs
- 2 fast count inputs
- ON/OFF input and output

ADIRUN2013© software, especially developed for this device

Done for a Windows® system.

This easy to use software includes 5 main modules: user manager, monitoring, acquisition, analysis and comparison.

Accurate and objective analysis of the running :

- reaction forces measurement in the 3 axis, for each leg.
- Vertical, anteroposterior and mediolateral forces analysis, with automatic calculation of the main points:
 - Moment (Mz) and pressure center (COP) calculation
 - 4 acquisition ways are available for an extension of the application
 - File “Export” function to Excel®
 - Management of user files
 - ...

