



## Integrating Kistler force plates

Qualisys Track Manager supports a range of force plates, which enables force data to be recorded along with the motion capture. Measure ground reaction forces, center of pressure and moments.

The amplifier Kistler 5695A DAQ is integrated in QTM so that there is no need for an additional analog board. The forces are visualized as vectors in QTM. If used with a Qualisys video camera, 3D overlay is also possible. Plot recorded ground reaction force data, either in real-time or from a recorded file. QTM can export data to a number of formats, including C3D, TSV and MATLAB.



### FEATURES

- Complete integration of force plate and motion data capture
- Runs on a single laptop
- Visualization of force vectors
- Real-time feedback

### REQUIREMENTS

- Kistler force plate and 5695A DAQ
- Kistler sync/trig splitter
- Male to male BNC
- Miquis Sync Unit<sup>1</sup>
- Qualisys system + control splitter cable
- Windows 7, Windows 8, or Windows 10

<sup>1</sup> Required for any external device sync using a Miquis system

## CONNECTION

The Kistler 5695A DAQ is integrated in QTM so that there is no need for an additional analog board. Kistler force plates must be controlled via a digital Input / Output (I/O) cable. The Kistler 5695A DAQ contains a USB-2533 analog board which is the same as the one used in the Qualisys 64 channel USB board. The DAQ can handle up to 8 Kistler force plates.

Below is a depiction of how to install a Kistler force plate with an analog board. It only describes the connection from the Kistler connection box to the Kistler analog board. For a description of the connection between the force plate and the connection box, please refer to the Kistler manual.

