

1 or 2D Goniometer with flexible axis for Noraxon cable and telemetry systems

- Measures angular displacement
- Measures one or two dimensions
- Easy to use flexible axis
- Available in 5 sizes



Product Overview

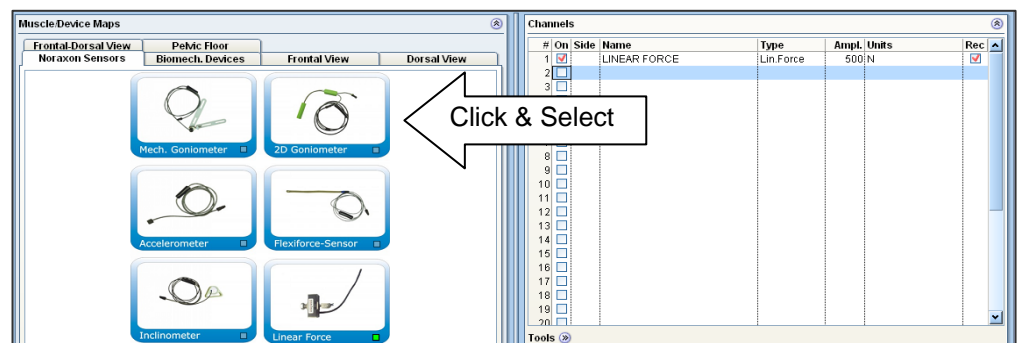
The flexible goniometer developed by Biometrics LTD UK has been an established standard worldwide. Due to its flexible axis construction and five available sizes, it can be used on most body joints. It is available in a one or two axis configuration measuring e.g. flexion/extension and lateral flexion (spine) in one application.

Versatile use due to flexible axis

A flexible spring connection between the two goniometer blocks compensates for any joint migration and surface prolongation, which is especially helpful in shoulder joint and spine motion. It also allows for placement of the sensor on uneven surfaces. Due to the amplifier built into the cable, it has direct plug-in functionality to Noraxon devices.



The sensor has a predefined measurement setup configuration in all the Noraxon software packages and is operational in a few seconds:



MyoResearch XP sensor selection screen

Application Examples

The Biometrics sensor line addresses all major joints of the human body. The flexible design allows for use in numerous application areas, such as medical research, sports analysis, rehabilitation, ergonomics, and robotics. The sensor may be attached with Velcro straps or adhesive tape.

Hip



Knee



Shoulder



Elbow



Spine



Specifications

Features:

- Flexible Axis Goniometer that measures in 1 or 2D
- Useful in a variety of research areas including: Medical Research, Rehabilitation, Sports, Ergonomics and Robotics.

Typical Performance of sensor:

- Nominal Output Range: +/- 180 degrees
- Max. Output Voltage: -5 to +5 volts
- Sensitivity: 25mV/degree
- Accuracy: +/- 2 degrees
- X-Y crosstalk < 5 degrees for deflections under 60 deg
- Inline cable length: 42 in (~1m)