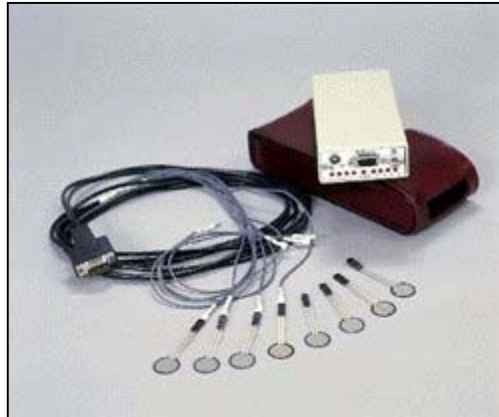


NorSwitch Footswitch System



The NorSwitch Bilateral Footswitch System provides the capability to measure footstrike patterns during human walking or running. The NorSwitch system is extremely lightweight and portable. It is easy to use in most environments or settings with very little setup. The footswitch sensors, which are provided with the system, fit easily inside a sock and are taped to the bottom of the foot. Internal adjustments may be made by the user to vary the sensitivity of each switch.

Real-time footstrike data is provided by the NorSwitch system, which includes four footswitches per foot. The system is comprised of a belt-worn amplifier and cables with pluggable sensors for eight locations. Also supplied is a tether cable twenty feet in length to attach to any data acquisition hardware. During use, multiple voltages are output depending upon the combination of switches activated.

NorSwitch connects easily to all of Noraxon's artifact-free EMG systems. The MyoSystem proves a fixed-cable solution for limited range measurement of EMG/ footswitch data. The Noraxon Telemetry system combined with NorSwitch takes gait analysis to a new level. NorSwitch is the very finest telemetered, long range, unlimited range-of-motion EMG/ footswitch measurement in the world!

NorSwitch Bilateral Footswitch System

Benefits

- Provides real-time footstrike data
- Can be used with adults and children
- Can be used with various systems
- Low cost

Features

- Small & lightweight
- Very portable
- Operates on one 9 volt battery
- Provided for use with eight footswitches
- Operates with Noraxon EMG systems

Applications

- Research
- Rehabilitation
- Gait
- Sports
- Training

Specifications

System

- Accuracy: ± 2 m Volts

Amplifier Pack

- Operational
- Gain
- Bandwidth
- Power: one 9 Volt battery
- Battery Life: 2 hrs cont.
- Analog Output: ± 2.5 Volts

Physical

- Length: 6.5"
- Width: 2.75"
- Height: 1"
- Weight: 1 lb.
- Output cable: 20 ft long

Foot Sensors

- Membrane force sensitive resistors (FSR)