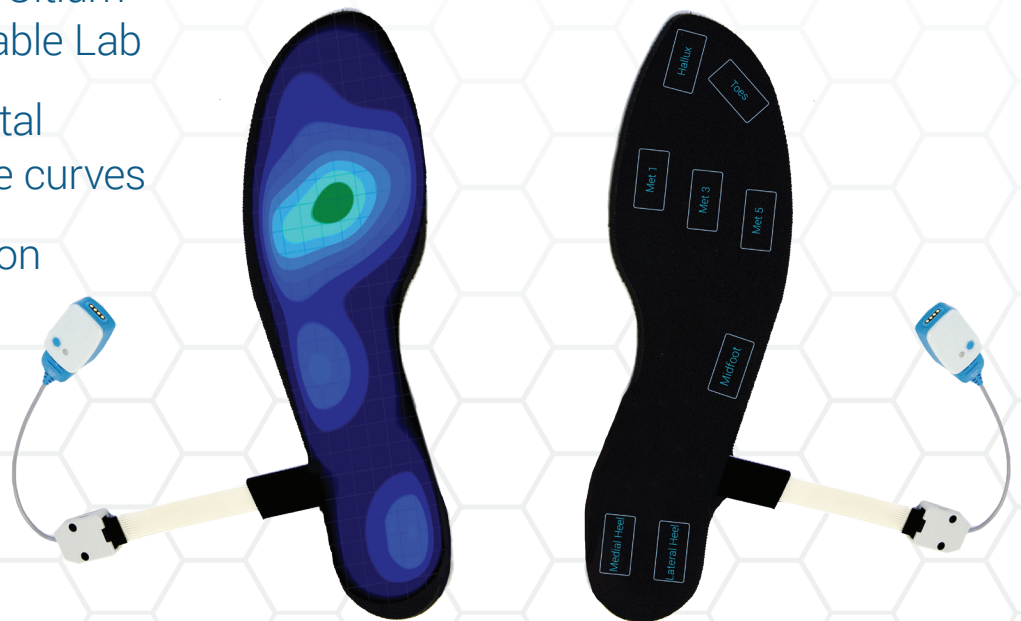


# NORAXON®

## Ultium® Insole SmartLead™

Efficiently analyze relative load distribution.

- » Compatible with the Ultium EMG system & Portable Lab
- » Zone-separated & total normalized load-time curves
- » 3D pressure animation & COP trace



# Ultium Insole SmartLeads

## Overview

The Ultium Insole SmartLead provides Ultium users with an affordable solution for:

- Contact detection and quantitative impact characteristics in gait, running, and other dynamic activities
- Relative load distribution during balance and bilateral or unilateral exercise applications

## Applications

- Static & dynamic loading asymmetry
- Running analysis
- Gait analysis
- Body Sway

## Customizable Reports

Analyze temporal gait parameters

Analyze average pressure print & CoP traces

Document changes & make notes

Compare normalized load-time curves

Compare CoP patterns

## SPECIFICATIONS

### Insole

- 8-Zone Resistive Pressure Sensor
- Sample Rate\*: 250/500 Hz (8 zones)  
500/1000 Hz (4 zones)
- Measurement Range: 0-75 psi (0-51.7 N/cm<sup>2</sup>)
- Max Pressure (before failure): 100 psi (68.9 N/cm<sup>2</sup>)
- Hysteresis: < 2%
- Error: < 5% Full Scale
- Insole Thickness: 3.5 mm

### SmartLead

- Dimensions: 4.0" L x 0.93" W x 0.40" H  
(10.2 cm x 2.4 cm x 1.0cm)
- Weight: 0.2 oz (5.7 g)

\* Depends on selected sample rate for Ultium (2000 or 4000 Hz)

## Size Chart

Insole Size	EU Size	US Mens	US Womens
Small	36 - 38		5 - 7.5
Medium	39 - 41	6 - 7.5	8 - 10.5
Large	42 - 44	8 - 10.5	11 - 13
X-Large	45 - 47	11 - 13	

Insole Size	Length	Forefoot Width	Heel Width	Weight
Small	234 mm	89 mm	64 mm	24 g
Medium	249 mm	97 mm	64 mm	26 g
Large	265 mm	97 mm	64 mm	30 g
X-Large	289 mm	99 mm	64 mm	33 g



Noraxon, myoRESEARCH and Ultium are registered trademarks and the Noraxon logo, myoANALOG, myoFORCE, myoMETRICS, myoMOTION, myoMUSCLE, myoPRESSURE, myoVIDEO, myoSYNC, NiNOX and TRUsync are common-law trademarks of Noraxon U.S.A and other countries. All other trademarks are the property of their respective owners. ©2018, all rights reserved.

Published July 2020

[www.noraxon.com](http://www.noraxon.com)

**NORAXON™**