Analog Input SmartLead

811



Applications

- Capture data from a custom analog sensor
- Turn any analog sensor (within input range) into a wireless analog sensor

Description

The Ultium Analog Input SmartLead provides the freedom to capture non-Noraxon analog sensors with high accuracy and resolution. The Analog Input can capture three separate analog channels, fully synchronized, at a rate up to 1000Hz per channel.

Features

- Universal analog input (within input range)
- 3 input channels (bipolar input)
- High resolution, 0.61 mV

Required Software

- MR3.12 or newer
- myoMuscle Module

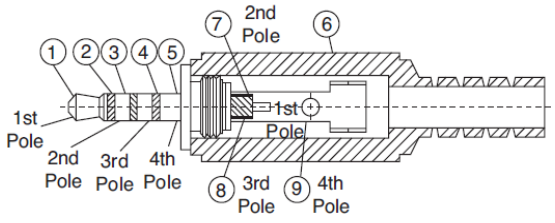
Specifications

Parameter	Value	Units
Input channels	3	-
Sample rate (per channel)	500 / 1000	Hz
Input range	±5 or ±20	V
Resolution	0.61	mV
Accuracy	±2	% full scale
Noise	≤ 2	mV RMS
Analog output scale factor	50	mV/V

Physical Dimensions

Parameter	Value	Units
SmartLead	11.9 x 1.9 x 1.1	cm
	5.7	g

TRRS Mating connector pin diagram



TRRS Pole to Input Channel	
Pole 1	Input 1
Pole 2	Input 2
Pole 3	Input 3
Pole 4	GND

Exposed wire pin diagram

Wire Color to Input Channel	
RED	Input 1
BLACK	Input 2
WHITE	Input 3
GREEN	GND

Ordering Information

Device	Image	Catalog No.
Analog Input SmartLead		811, TRRS connector
Analog Input SmartLead		811, exposed wires