

Goniometer SmartLead

808, PGXY1, PGXY2



Applications

- Planar joint angle measurement
- Joint angle range of motion

Description

The Ultium Goniometer SmartLead can be used to measure and quantify 2D angles, such as joint angles, spine flexion, etc., during physical activity.

Features

- 2D angle measurement
- High resolution
- Standard lengths of 65 and 150 mm
- Non-standard lengths are available

Required Software

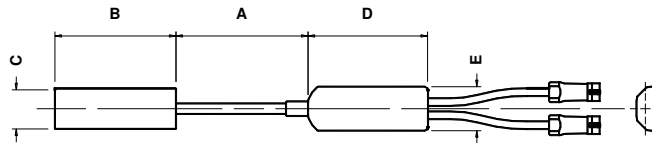
- MR3.12 or newer
- myoMuscle Module

Specifications

Parameter	Value	Units
Measurement Axes	2	-
Sample rate	500 / 1000	Hz
Nominal input range	±150	Degree
Resolution	0.006	Degree
Accuracy	± 2	Degree
XY Crosstalk (Deflection less than 60°)	≤ ± 5	%
Analog output scale factor	25	mV/deg

Physical Dimensions

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



Units in [mm]	SG65	SG75	SG110	SG110/A	SG150	SG150/B	Q110	Q150	F35
Number of Channels	2	2	2	2	2	2	1	1	1
A. Maximum	65	75	110	110	150	150	110	170	35
A. Minimum	30	35	70	70	100	50	70	115	30
B.	55	60	60	60	70	120	60	70	18
C.	18	18	18	18	18	18	18	18	8
D	54	54	54	18	54	54	54	54	15
E	20	20	20	54	20	20	20	20	8
Weight (g)	22	23	23	29	25	27	22	23	8
Minimum bend rad. (mm)	18	18	18	18	18	18	18	18	3

Ordering Information

Device	Image	Catalog No.
Goniometer SmartLead		802
2D Goniometer		PGXY1 (SG150) PGXY2 (SG65) PGXY(Custom length)