



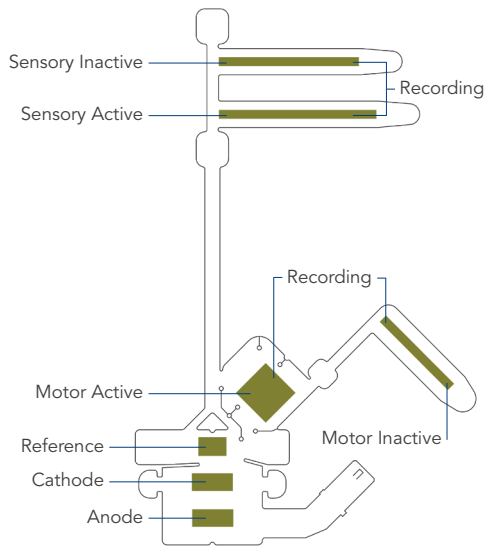
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# Nerve-Specific Electrode Sets

## Technical Specifications

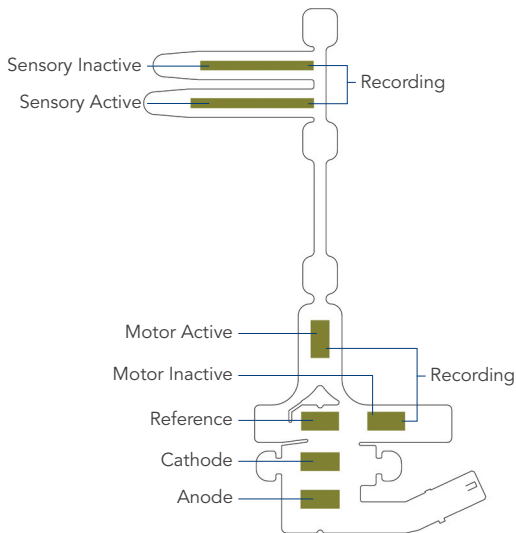
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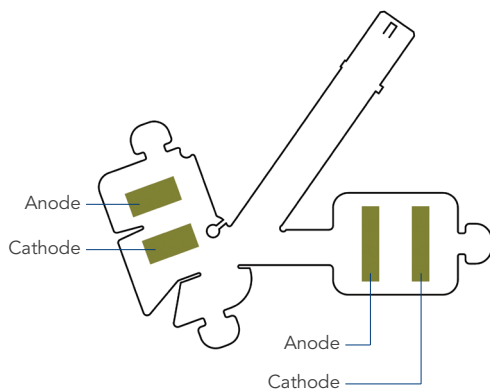
## Median Motor/Sensory Wrist

- Stimulator 3 cm proximal to wrist crease
- Motor active electrode is halfway between the midpoint of the distal wrist crease and the first metacarpophalangeal joint, directly over the abductor pollicis brevis
- Sensory measured wrist to digit-3 proximal interphalangeal joint
- Digital thermometer for measuring skin surface temperature



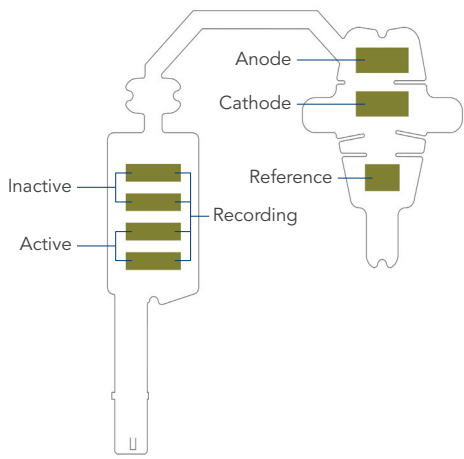
## Ulnar Motor/Sensory Wrist

- Stimulator 3 cm proximal to wrist crease
- Motor active electrode is located 6.5 cm distal to the cathode stimulating electrode and overlies the abductor digiti minimi muscle in the hypothenar eminence
- Sensory measured wrist to digit-5 proximal interphalangeal joint
- Digital thermometer for measuring skin surface temperature



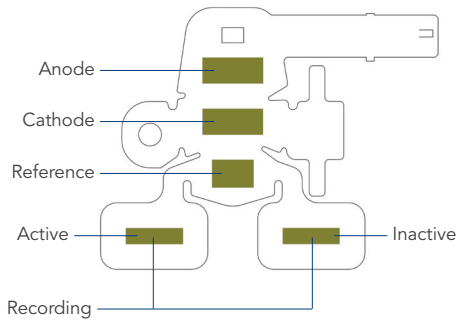
## Ulnar Elbow Stimulator

- Proximal stimulators below and above the elbow, 10.5 cm apart
- Digital thermometer for measuring skin surface temperature



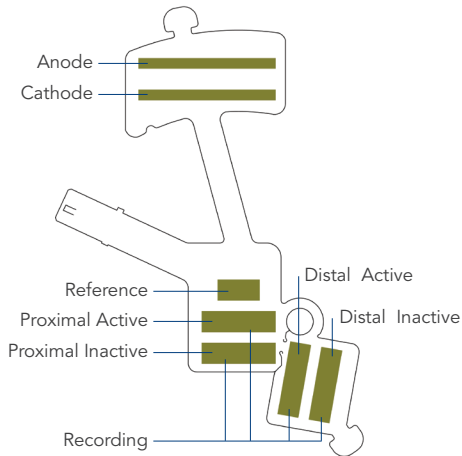
## Peroneal

- Stimulator at level of maleoli
- Motor recording electrode set is placed over the midpoint of the extensor digitorum brevis muscle on the dorsum of the foot
- Digital thermometer for measuring skin surface temperature



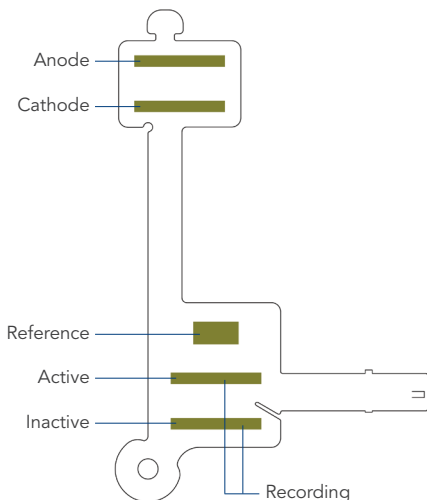
## Tibial

- Stimulator at level of maleoli
- Motor recording by volume conduction from abductor hallucis
- Digital thermometer for measuring skin surface temperature



## Sural

- Stimulator 10 cm proximal to the lateral malleolus
- Response is recorded at either a 10 cm distance (proximal electrode pair located medial to lateral malleolus) or a 14 cm distance (distal electrode pair located posterior to lateral malleolus)
- Digital thermometer for measuring skin surface temperature

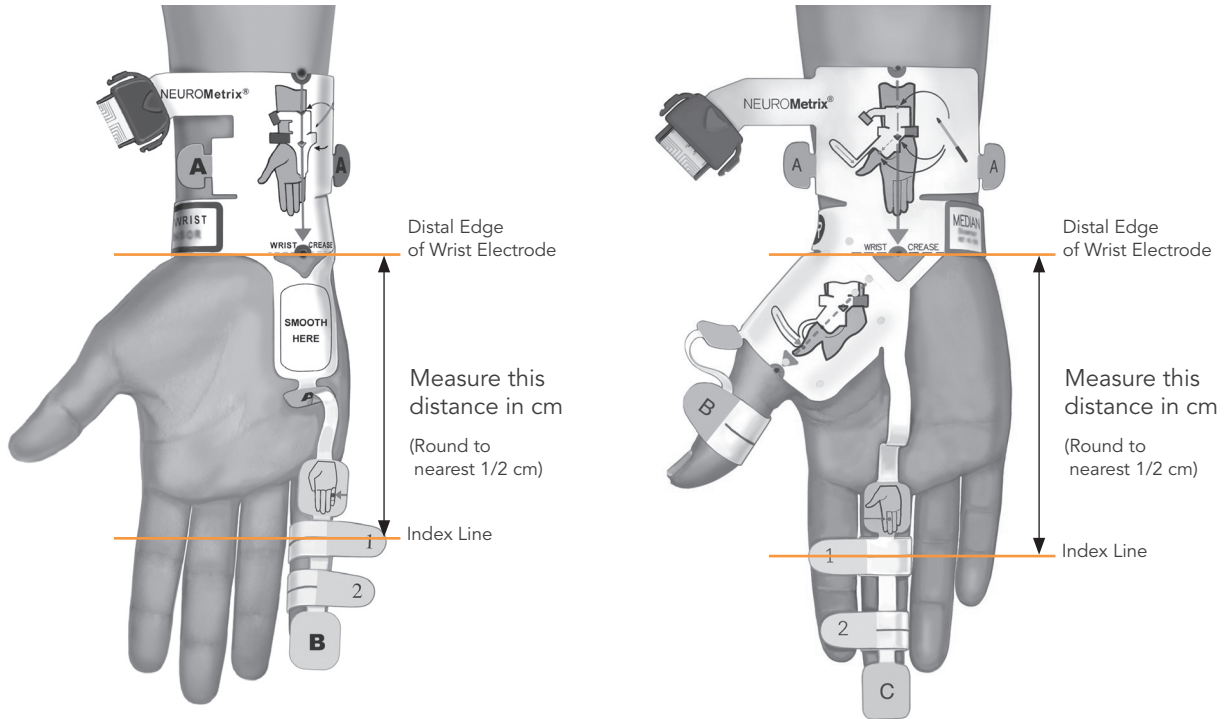


## Superficial Peroneal

- Stimulator 16 cm proximal to the lateral malleolus
- Response 12 cm from stimulator
- Digital thermometer for measuring skin surface temperature

# Distance Measurement for Conduction Velocity

Measure from distal edge of wrist to index line of the sensory active electrode.



MEASURED DISTANCE (cm)*															
DSL (msec)	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0
2.0	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5	100.0	102.5	105.0	107.5	110.0
2.1	71.4	73.8	76.2	78.6	81.0	83.3	85.7	88.1	90.5	92.9	95.2	97.6	100.0	102.4	104.8
2.2	68.2	70.5	72.7	75.0	77.3	79.5	81.8	84.1	86.4	88.6	90.9	93.2	95.5	97.7	100.0
2.3	65.2	67.4	69.6	71.7	73.9	76.1	78.3	80.4	82.6	84.8	87.0	89.1	91.3	93.5	95.7
2.4	62.5	64.6	66.7	68.8	70.8	72.9	75.0	77.1	79.2	81.3	83.3	85.4	87.5	89.6	91.7
2.5	60.0	62.0	64.0	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
2.6	57.7	59.6	61.5	63.5	65.4	67.3	69.2	71.2	73.1	75.0	76.9	78.8	80.8	82.7	84.6
2.7	55.6	57.4	59.3	61.1	63.0	64.8	66.7	68.5	70.4	72.2	74.1	75.9	77.8	79.6	81.5
2.8	53.6	55.4	57.1	58.9	60.7	62.5	64.3	66.1	67.9	69.6	71.4	73.2	75.0	76.8	78.6
2.9	51.7	53.4	55.2	56.9	58.6	60.3	62.1	63.8	65.5	67.2	69.0	70.7	72.4	74.1	75.9
3.0	50.0	51.7	53.3	55.0	56.7	58.3	60.0	61.7	63.3	65.0	66.7	68.3	70.0	71.7	73.3
3.1	48.4	50.0	51.6	53.2	54.8	56.5	58.1	59.7	61.3	62.9	64.5	66.1	67.7	69.4	71.0
3.2	46.9	48.4	50.0	51.6	53.1	54.7	56.3	57.8	59.4	60.9	62.5	64.1	65.6	67.2	68.8
3.3	45.5	47.0	48.5	50.0	51.5	53.0	54.5	56.1	57.6	59.1	60.6	62.1	63.6	65.2	66.7
3.4	44.1	45.6	47.1	48.5	50.0	51.5	52.9	54.4	55.9	57.4	58.8	60.3	61.8	63.2	64.7
3.5	42.9	44.3	45.7	47.1	48.6	50.0	51.4	52.9	54.3	55.7	57.1	58.6	60.0	61.4	62.9
3.6	41.7	43.1	44.4	45.8	47.2	48.6	50.0	51.4	52.8	54.2	55.6	56.9	58.3	59.7	61.1
3.7	40.5	41.9	43.2	44.6	45.9	47.3	48.6	50.0	51.4	52.7	54.1	55.4	56.8	58.1	59.5
3.8	39.5	40.8	42.1	43.4	44.7	46.1	47.4	48.7	50.0	51.3	52.6	53.9	55.3	56.6	57.9
3.9	38.5	39.7	41.0	42.3	43.6	44.9	46.2	47.4	48.7	50.0	51.3	52.6	53.8	55.1	56.4
4.0	37.5	38.8	40.0	41.3	42.5	43.8	45.0	46.3	47.5	48.8	50.0	51.3	52.5	53.8	55.0
4.2	35.7	36.9	38.1	39.3	40.5	41.7	42.9	44.0	45.2	46.4	47.6	48.8	50.0	51.2	52.4
4.4	34.1	35.2	36.4	37.5	38.6	39.8	40.9	42.0	43.2	44.3	45.5	46.6	47.7	48.9	50.0
4.6	32.6	33.7	34.8	35.9	37.0	38.0	39.1	40.2	41.3	42.4	43.5	44.6	45.7	46.7	47.8
4.8	31.3	32.3	33.3	34.4	35.4	36.5	37.5	38.5	39.6	40.6	41.7	42.7	43.8	44.8	45.8
5.0	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
5.2	28.8	29.8	30.8	31.7	32.7	33.7	34.6	35.6	36.5	37.5	38.5	39.4	40.4	41.3	42.3
5.4	27.8	28.7	29.6	30.6	31.5	32.4	33.3	34.3	35.2	36.1	37.0	38.0	38.9	39.8	40.7
5.6	26.8	27.7	28.6	29.5	30.4	31.3	32.1	33.0	33.9	34.8	35.7	36.6	37.5	38.4	39.3
5.8	25.9	26.7	27.6	28.4	29.3	30.2	31.0	31.9	32.8	33.6	34.5	35.3	36.2	37.1	37.9
6.0	25.0	25.8	26.7	27.5	28.3	29.2	30.0	30.8	31.7	32.5	33.3	34.2	35.0	35.8	36.7

\* Stimulator (cathode) to proximal detector distance is measured distance plus 3 cm.