



Report 2.2

Fri Sep 08 2023 10:16:40 GMT-5

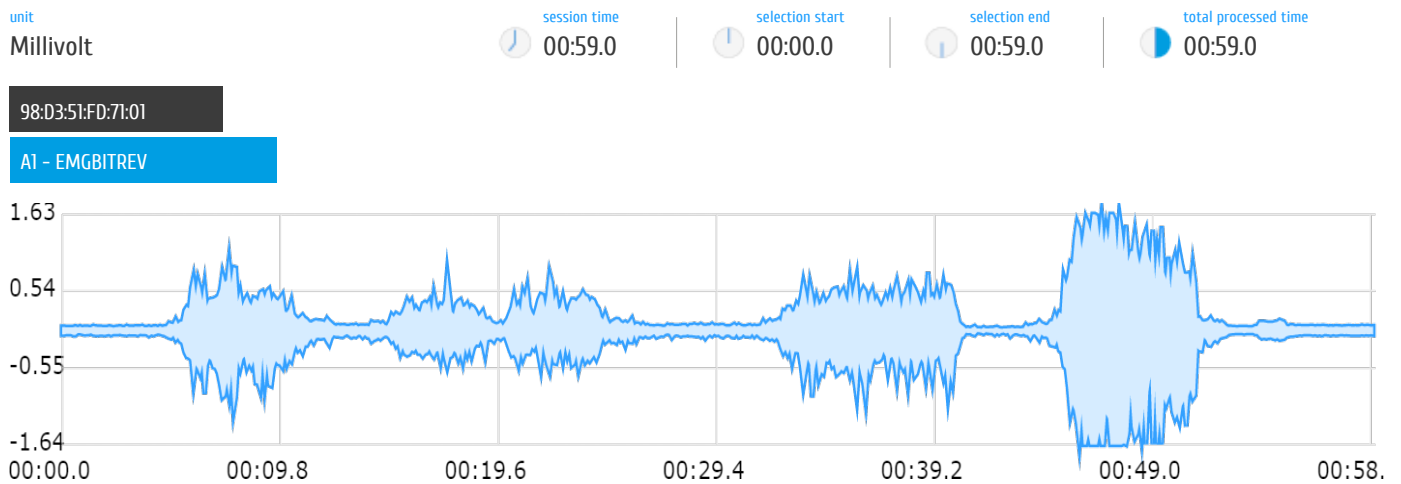
OPENSIGNALS VERSION: Public Build 2022-05-16

Author: PLUX

Devices

name		address		type		sampling rate		
98:D3:51:FD:71:01		98:D3:51:FD:71:01		bitalino_rev		1000 Hz		
channel	label	sensor		channel	label	sensor		resolution
A1	A1	EMGBITREV		I1	INPUT	BTN		1
				I2	INPUT	Generic Input		1
				O1	OUTPUT	LED		1
				O2	OUTPUT	BUZ		1
				DAC	DAC	PWM		8

Electromyographic analysis



Processed channels

98:D3:51:FD:71:01

A1

FILTER
applied bandpass - [10,100] Hz cutoff - Order: 6

DETECTION OPTIONS
applied to TKE: smooth window of 0.5 seconds

Muscle Activation results

Activations

find [all muscle activations](#)

98:D3:51:FD:71:01													
channel	digital	activation	start (s)	end (s)	duration (s)	latency (s)	max (mV)	min (mV)	ampl+ (mV)	ampl- (mV)	ampl+- (mV)	rms (mV)	area (mV ²)
1	NONE	1	5.820	6.378	0.558	5.820	0.74 mV	-0.92 mV	45.00	56.00	1.66 mV	0.28 mV	122.27 mV ²
	NONE	2	6.835	8.006	1.171	6.835	0.99 mV	-1.17 mV	60.00	71.00	2.16 mV	0.32 mV	294.23 mV ²
	NONE	3	8.367	9.508	1.141	8.367	0.57 mV	-0.88 mV	35.00	53.00	1.45 mV	0.24 mV	215.82 mV ²
	NONE	4	21.824	21.996	0.172	21.824	0.8 mV	-0.6 mV	49.00	37.00	1.4 mV	0.24 mV	30.96 mV ²
	NONE	5	33.152	33.418	0.266	33.152	0.68 mV	-0.8 mV	41.00	49.00	1.48 mV	0.24 mV	47.87 mV ²
	NONE	6	34.547	35.004	0.457	34.547	0.58 mV	-0.64 mV	35.00	39.00	1.23 mV	0.24 mV	87.4 mV ²
	NONE	7	35.465	35.731	0.266	35.465	0.76 mV	-0.97 mV	46.00	59.00	1.73 mV	0.25 mV	49.95 mV ²
	NONE	8	37.298	37.516	0.218	37.298	0.67 mV	-0.72 mV	41.00	44.00	1.39 mV	0.25 mV	44.81 mV ²
	NONE	9	38.234	38.266	0.032	38.234	0.33 mV	-0.26 mV	20.00	16.00	0.59 mV	0.14 mV	3.23 mV ²
	NONE	10	44.941	50.933	5.992	44.941	1.63 mV	-1.63 mV	99.00	100.00	3.26 mV	0.59 mV	2.8e+3 mV ²
Diff	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-



EMG TRIAL

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Glossary

1. MVC: Maximum Voluntary Contraction.
2. TKE: Teager-Kaiser Energy operator.