



Report_andrea_brazo

Wed Feb 28 2024 12:38:19 GMT+1

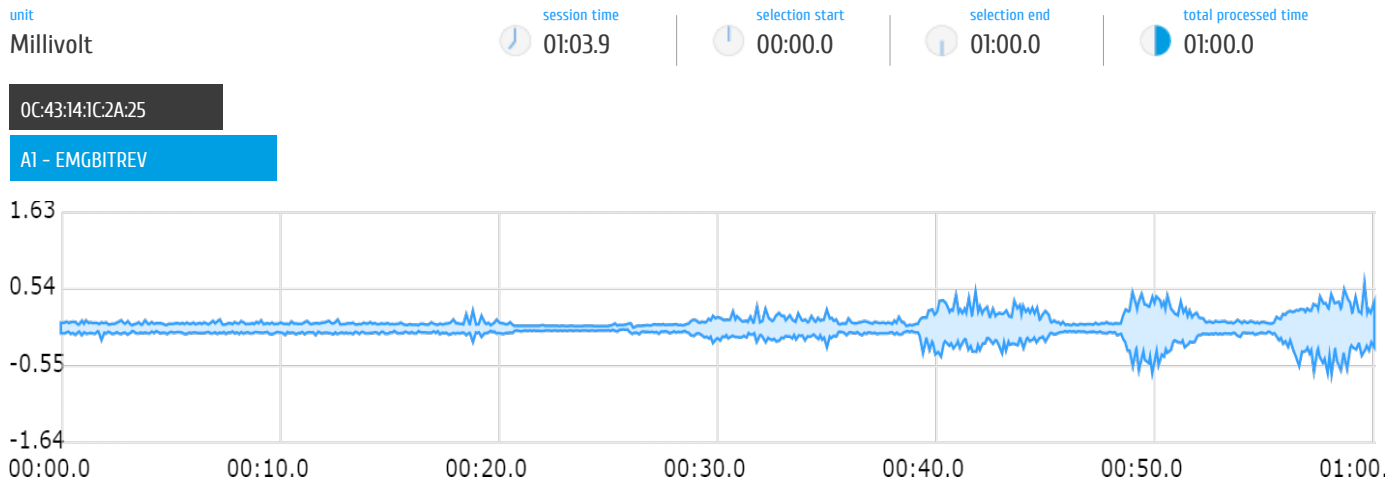
OPENSIGNALS VERSION: Public Build 2023-10-23

Author: PLUX

Devices

name				address				type		sampling rate	
0C:43:14:1C:2A:25				0C:43:14:1C:2A:25				bitalino_rev		1000 Hz	
channel	label	sensor		resolution		channel	label	sensor		resolution	
A1	A1	EMGBITREV		10		I1	INPUT	BTN		1	
A2	A2	RAW		10		I2	INPUT	Generic Input		1	
A3	A3	RAW		10		O1	OUTPUT	LED		1	
A4	A4	RAW		10		O2	OUTPUT	BUZ		1	
A5	A5	RAW		10		DAC	DAC	PWM		8	
A6	A6	RAW		10							

Electromyographic analysis



Processed channels

0C:43:14:1C:2A:25

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](#)

0C:43:14:1C:2A:25													
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	29.493	30.109	0.616	29.493	0.13 mV	-0.19 mV	25.00	35.00	0.32 mV	0.04 mV	20 mV^2
	NONE	2	30.820	30.995	0.175	30.820	0.13 mV	-0.12 mV	24.00	24.00	0.25 mV	0.04 mV	5.28 mV^2
	NONE	3	31.674	31.814	0.140	31.674	0.2 mV	-0.16 mV	38.00	30.00	0.36 mV	0.05 mV	3.94 mV^2
	NONE	4	32.084	33.050	0.966	32.084	0.2 mV	-0.18 mV	38.00	34.00	0.38 mV	0.05 mV	32.58 mV^2
	NONE	5	34.841	35.168	0.327	34.841	0.19 mV	-0.22 mV	36.00	41.00	0.41 mV	0.04 mV	9.41 mV^2
	NONE	6	39.227	42.609	3.382	39.227	0.38 mV	-0.37 mV	71.00	70.00	0.75 mV	0.07 mV	172.4 mV^2
	NONE	7	42.644	45.168	2.524	42.644	0.31 mV	-0.31 mV	58.00	58.00	0.62 mV	0.06 mV	101.96 mV^2
	NONE	8	48.493	51.955	3.462	48.493	0.42 mV	-0.55 mV	79.00	103.00	0.96 mV	0.09 mV	223.18 mV^2
	NONE	9	55.620	59.957	4.337	55.620	0.47 mV	-0.55 mV	88.00	103.00	1.02 mV	0.1 mV	293.23 mV^2
Diff	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-

Glossary

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



Signal Statistics

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Signal statistics analysis

session time
01:03.9

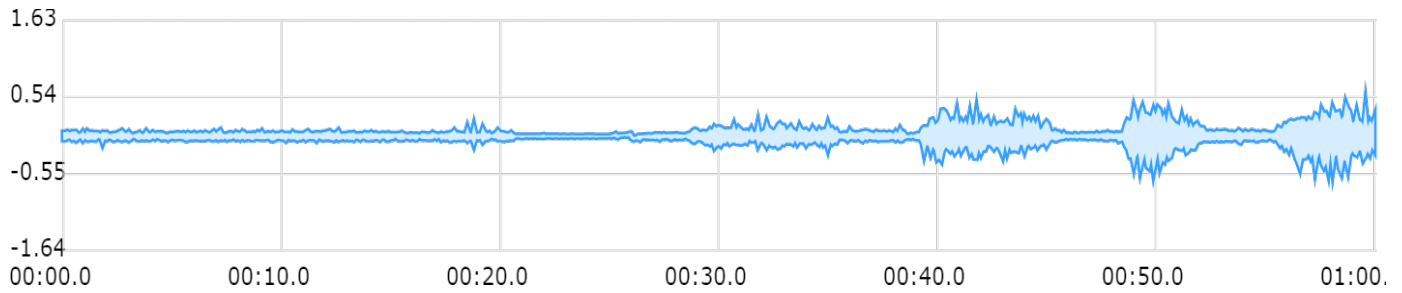
selection start
00:00.0

selection end
01:00.0

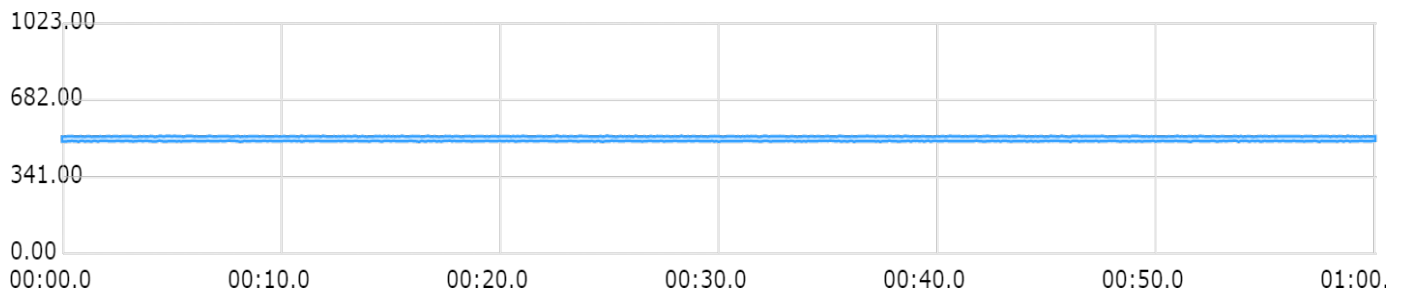
total processed time
01:00.0

0C:43:14:1C:2A:25

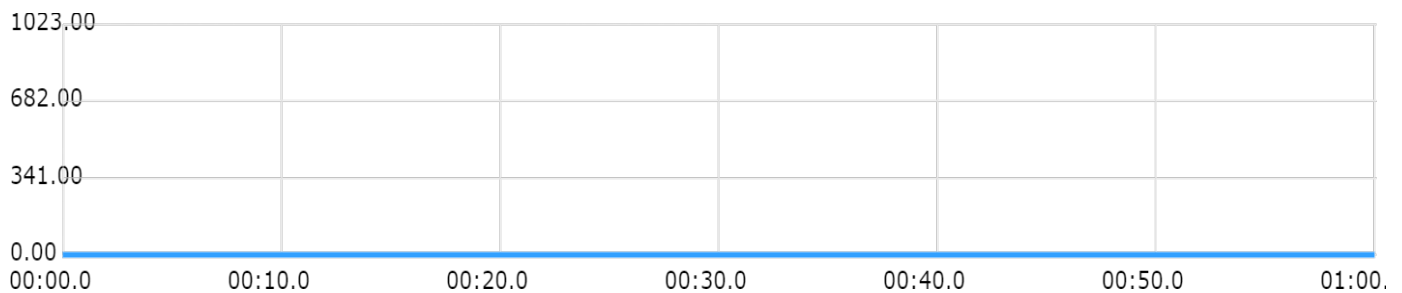
A2 - EMGBITREV



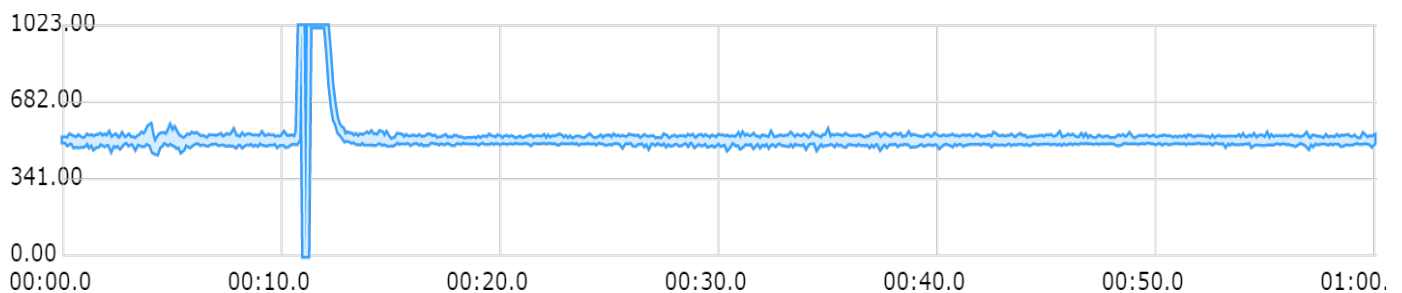
A3 - RAW



A4 - RAW



A5 - RAW

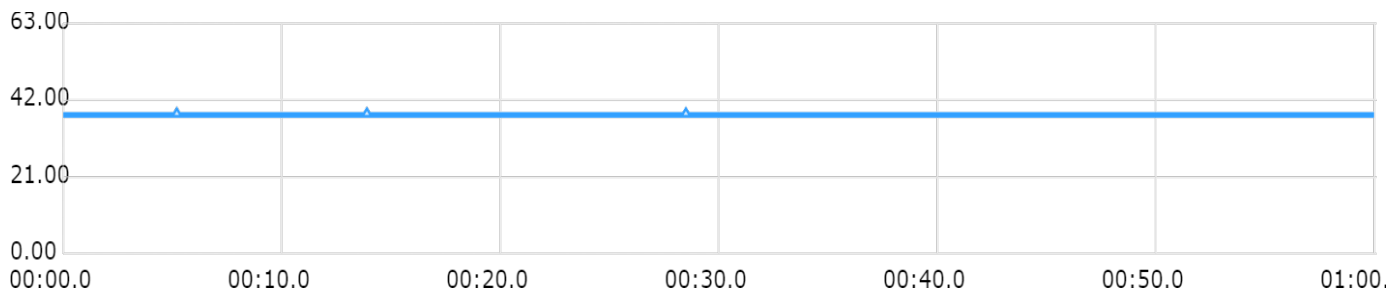




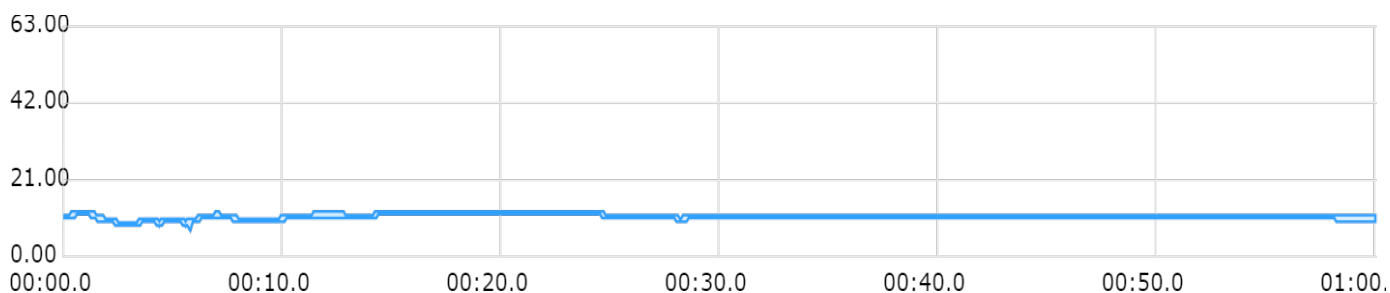
Signal Statistics

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A6 - RAW



A7 - RAW



Processed channels

0C:43:14:1C:2A:25

A1

A2

A3

A4

A5

A6

Signal Statistics

0C:43:14:1C:2A:25

CHANNEL	MIN	MAX	MEAN	MEDIAN	STD	PEAK2PEAK	RMS	RSS	UNIT
1	-0.55	0.47	-0.01	-0.02	0.04	1.02	0.05	11.11	mV
2	504.00	518.00	510.69	511.00	1.76	14.00	510.69	125092.95	
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	0.00	1019.00	520.13	511.00	76.84	1019.00	525.78	128788.47	
5	38.00	39.00	38.00	38.00	0.01	1.00	38.00	9308.10	
6	8.00	12.00	11.06	11.00	0.63	4.00	11.07	2712.58	