W2100-System Headstages

W2100-Headstages for:
- Recording
- Recording and Optical Stimulation
- Recording and Electrical Stimulation

Headstages for Recording

W2100-HS4 with 4 recording channels.
W2100-HS8 with 8 recording channels.
W2100-HS8-SR with 8 recording channels
and single row (SR) connector.
W2100-HS16 with 16 recording channels.
W2100-HS32 with 32 recording channels.

W2100-HS8 with Omnetics or single row (SR) connector.

W2100-HS32-opto
with Test LED probe.

Headstage for Recording and Optical Stimulation

W2100-HS-opto with 4, 8, 16 or 32 recording channels
+ interface for 2 optical stimulation channels each.

W2100-HS4-opto
with Test LED probe.

Headstages for Recording and Electrical Stimulation

Internal Stimulation

W2100-HS8-ES2 with 8 recording channels + 2 electrical stimulation channels.
W2100-HS14-ES2 with 14 recording channels + 2 electrical stimulation channels.

W2100-HS14 with internal electrical stimulation.

External Stimulation

W2100-HS8-ES2-EXT with 8 recording channels + 2 electrical stimulation channels.
W2100-HS8-SR-ES2-EXT with 8 recording channels + 2 electrical stimulation channels.
W2100-HS16-ES2-EXT with 16 recording channels + 2 electrical stimulation channels.
W2100-HS32-ES2-EXT with 32 recording channels + 2 electrical stimulation channels.

W2100-HS32 with external electrical stimulation.
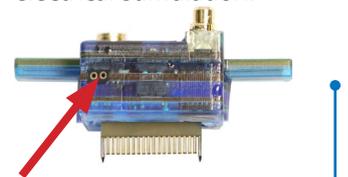
W2100-System Headstages

Technical Specifications

Type of Headstage	Number of Recording Channels	Number of Stimulation Channels elec.	opt.	Weight w/o Battery in g	Single Headstage Mode 2	4	8	16	32	Multi Headstage Mode 2	4	8	16	32
Recording														
W2100-HS4	4	-	-	1.8	40	25	-	-	-	10	10	-	-	-
W2100-HS8	8	-	-	2.8	40	40	25	-	-	10	10	10	-	-
W2100-HS8-SR	8	-	-	3.0	40	40	25	-	-	10	10	10	-	-
W2100-HS16	16	-	-	2.9	40	40	25	25	-	10	10	10	5	-
W2100-HS32	32	-	-	3.6	40	40	25	25	20	10	10	10	5	2
Optical Stimulation														
W2100-HS4-opto	4	-	2	1.9	10	10	-	-	-	10	5	-	-	-
W2100-HS8-opto	8	-	2	3.8	40	40	25			10	10	10	-	-
W2100-HS8-SR-opto	8	-	2	4.1	40	40	25			10	10	10	-	-
W2100-HS16-opto	16	-	2	3.8	40	40	25	20		10	10	10	5	-
W2100-HS32-opto	32	-	2	4.8	40	40	25	20	20	10	10	10	5	2
Electrical Stimulation														
W2100-HS with internal Stimulation														
W2100-HS8-ES2-0.5mA W2100-HS8-ES2-2.0mA	8	2	-	3.8	40	40	25	-	-	10	10	10	-	-
W2100-HS14-ES2-0.5mA W2100-HS14-ES2-2.0mA	14	2	-	3.8	40	40	25	25	-	10	10	10	5	-
W2100-HS with external Stimulation														
W2100-HS8-ES2-EXT-0.5mA W2100-HS8-ES2-EXT-2.0mA	8	2	-	3.8	40	40	25	-	-	10	10	10	-	-
W2100-HS8-SR-ES2-EXT-0.5mA W2100-HS8-SR-ES2-EXT-2.0mA	8	2	-	3.8	40	40	25	-	-	10	10	10	-	-
W2100-HS16-ES2-EXT-0.5mA W2100-HS16-ES2-EXT-2.0mA	16	2	-	3.8	40	40	25	25	-	10	10	10	5	-
W2100-HS32-ES2-EXT-0.5mA W2100-HS32-ES2-EXT-2.0mA	32	2	-	4.5	40	40	25	25	20	10	10	10	5	2

Software for all Headstages

Operating system	Windows 10, 8.1 (64 bit)
Data acquisition, analysis and export	Multi Channel Suite, Version 1.5.1 and higher