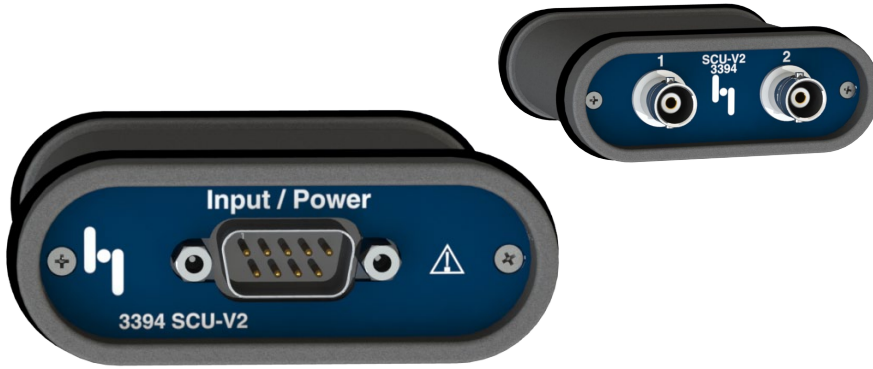


SCU-V2 (Code 3394)

Adapter for connecting high-impedance sensors to SQuadriga II, labV12 respectively labV12-V1 and labV6 respectively labVF6



Overview

The SCU-V2 adapter is a two-channel impedance converter.

SCU-V2 is used for measuring high-impedance voltage sources with SQuadriga II and the HEADlab modules labV12 and labV6.

A breakout adapter for the inputs and the power supply of the SCU-V2 is included. With the also included plug, users can make a custom breakout cable according to their needs.

The power input of the SCU-V2 is electrically isolated.

Features

- Impedance converter with high input resistance for measuring high-impedance voltage sources with SQuadriga II, labV12 respectively labV12-V1, as well as labV6 respectively labVF6
- Electrical isolation of the power supply

Scope of Supply

- SCU-V2 (Code 3394)
Adapter for connecting high-impedance voltage sources to SQuadriga II, labV12 (labV12-V1) and labV6 (labVF6)
- CMD II.03 (Code 9837)
Breakout adapter for the inputs and the power supply [via power supply]
D-Sub 9 pin ↔ 2 x BNC / 1 x XLR
4 pin, 30 cm (11.8")
- 9-pin D-Sub plug for making a custom breakout cable (inputs and power supply)

Optional

- Power supply 15 V / 60 W / XLR 4-pin for SCU-V2
- CBB I.xx (Code 1175-xx)
Cable BNC
BNC ↔ BNC
- CDB II.1 (Code 3556)
Breakout cable
D-Sub 25-pin ↔ 6 x BNC
[SCU-V2 ↔ labV12 / labV12-V1]
- BPB I.8 (Code 9838)
Battery holder for 8 x AA to power supply the SCU-V2 via XLR

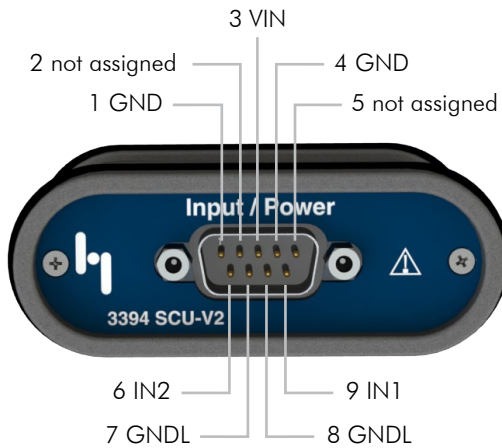


labV6 and labV12 are input modules of the HEADlab multi-channel 24-bit front-end system for mobile data acquisition.



SQuadriga II is a mobile 24 bit recording and playback system.

Pin assignment



Pin	Name	Function
1	GND	Ground for power supply input
2	-	Not assigned
3	VIN	Power supply input for SCU-V2; voltage range: 9-30 V
4	GND	Same as pin 1
5	-	Not assigned
6	IN2	Input channel 2
7	GNDL	Electrically isolated ground for input channel 2
8	GNDL	Electrically isolated ground for input channel 1
9	IN1	Input channel 1

Technical Data

General

Interfaces:	D-Sub 9-pin 2 x BNC
Dimensions:	73 mm x 85 mm x 28.5 mm (2.9" x 3.34" x 1.12") (WxDxH)
Weight:	145 g (0.33 lb)
Operating temperature:	-10 °C to +60 °C (14° F to 140° F)
Storage temperature:	-20 °C to +70 °C (-4° F to 158° F)

Inputs

Interfaces:	D-Sub 9-pin
Input voltage:	9 to 30 V DC
Power consumption:	1.1 W
Max. input level:	±12 V
Input impedance:	1 MOhm / 10 pF
S/N:	≥130 dB(V) (A-rated)
Noise level (noise floor):	≤ -115 dB(V) (A-rated)
THD+N:	≤ -105 dB
Crosstalk:	≤ -100 dB
Gain tolerance vs. frequency:	≤ ±10 mdB(V)
Offset:	≤ ±60 μV

Outputs

Interfaces:	2 x BNC
-------------	---------