



MUX8B

Multiplexer For ZIVE Potentiostat

ZIVE_{MUX8}

CHANNEL 1



CHANNEL 2



CHANNEL 3



CHANNEL 4



CHANNEL 5



ZIVE LAB

The multiplexer, MUX8B, is designed for use with the ZIVE SP2, SP5 single channel potentiostat, BP2 dual potentiostat and MP2, MP5 multichannel potentiostat. The MUX8B allows user to convert the single channel potentiostat or multichannel potentiostat into a powerful instrument suitable for sequential 8 cell operation per channel. Although up to eight cells can be connected simultaneously, it doesn't mean that user can do simultaneous multichannel experiments across multiple cells. For simultaneous multiple experiments, ZIVE MP Series Multichannel Electrochemical Workstation is recommended.

Using DI/DO interface, Smart Manager software can switch the cell connection to cell channel number. This needs to make sequence file using "DEVICE" DOUT function. This multiplexer can switch 4 electrodes lead cable and auxiliary voltage sensing cable. MUX8B can be used all kind of experiments including EIS techniques which Smart Manager supports. Multiplexed experiment data will be saved in one data file. This data file can be divided into several files into parts by Smart Manager software.



Banana plug cell cable connection from potentiostat



Auxiliary voltage input connection from potentiostat



Cell cables connection to 8 cells.



Auxiliary voltage input from 8 cells.

Multiplexed techniques available

Basic

Potentiostatic/Galvanostatic/OCP measurement/Potential Sweep/Current Sweep/CV

EIS

PEIS/GEIS/OCPEIS/Pseudo galvanostatic EIS/Potentiodynamic PEIS/Galvanodynamic GEIS/Potentiostatic HFR/Galvanostatic HFR/Potentiodynamic HFR/Galvanodynamic HFR/Multisine PEIS/Multisine GEIS

Energy

CC/CV test/CC/CC test/Discharge test/EVS test/Variable scan rate CV/Pstat IV curve/Gstat IV curve/Steadystate CV

DC Corrosion

Tafel/Polarization resistance/Potentiodynamic/Galvanodynamic/Cyclic polarization/Ecorr vs. time/Galvanic corrosion/ RpEc trend/Reactivation potential

Electrochemical Analysis

Chronoamperometry/Chronopotentiometry/Chronocoulometry/Normal pulse voltammetry/

Differential pulse voltammetry/Differential pulse amperometry/Reverse normal pulse voltammetry/ Differential normal pulse voltammetry/Square wave voltammetry/Linear sweep voltammetry/ Sampled DC voltammetry

Product Images



Front



Rear

Specifications

Max. number of channels	8
Multiplexing	Switches 8 cells (WE, RE, WS, CE and auxiliary voltage input1)
Max. Current	5Amp
Max. Voltage	40V
Channel Switching Time	
Multiplexer Cable	Shielded 1meter cable
Dimensions	427 x 130 x 52 mm (WxDxH)
Weight	1.7 Kg

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