

MultiWE32



32-channel potentiostat module

- Nanotechnology
- Sensor development
- Analytical electrochemistry
- Biotechnology
- Medical research
- Semiconductor
- Corrosion

Potential applied to 32 Channels simultaneously

The MultiWE32 accommodates cells with up to 32 Working Electrodes

- Operate up to 32 WEs, sharing a single CE and RE
- All channels can be sampled simultaneously
- Independent programmable offset for each channel
- 2 modes of operation:
 - sequential operation
 - simultaneous operation
- Stackable up to 8 units with 256 channels!
- To be used as add-on module for an Ivium potentiostat



THE NETHERLANDS:

Ivium Technologies B.V.
De Zaale 11
5612 AJ Eindhoven
The Netherlands

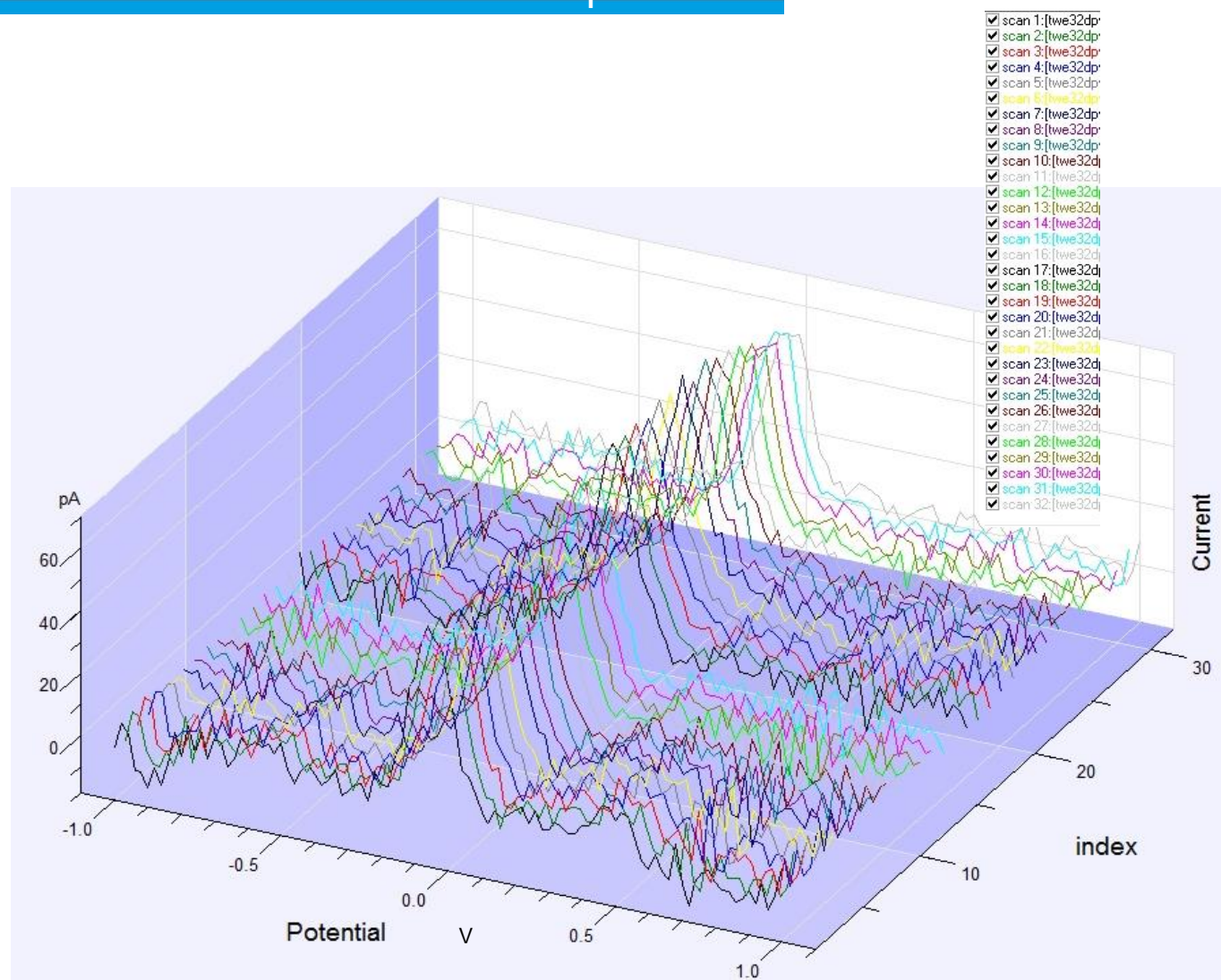
tel. +31 40 2390600
fax. +31 40 2390601
e-mail info@ivium.eu
www.ivium.com

U.S.A.:

Ivium Technologies USA
961687 Gateway Blvd., Suite 201D
Fernandina Beach, FL 32034

phone: 800-303-3885 (toll free) /
904-310-9060 (office)
fax: 904-310-9068
e-mail pete@ivium.us
www.ivium.us

Multichannel simultaneous acquisition



DPV example at 50mV/s:
All 32 channels were acquired in a single DPV scan

Specifications

Each channel

Independent programmable offset

Full potentiostat capability

Maximum current: ± 1 mA/channel

Current ranges: ± 10 nA to ± 1 mA; resolution 0.015% of CR, min. 1.5 pA

Maximum offset: ± 2 V, 0.0625 mV resolution

Maximum applied potential: ± 20 V (subject to controlling potentiostat)

Electrometer bandwidth > 16 MHz

2 Modes of operation

Simultaneous:

- CV/LSV/DPV/SQRwave/ChronoAmperometry
- Data acquisition of 32 WE currents at the same time,
- Maximum rate of 10 samples/s (0.1s interval time)

Sequential:

- All electrochemical potentiostatic methods possible
- Frequency response analysis