

**MultiWE32**

**32-channel potentiostat module**



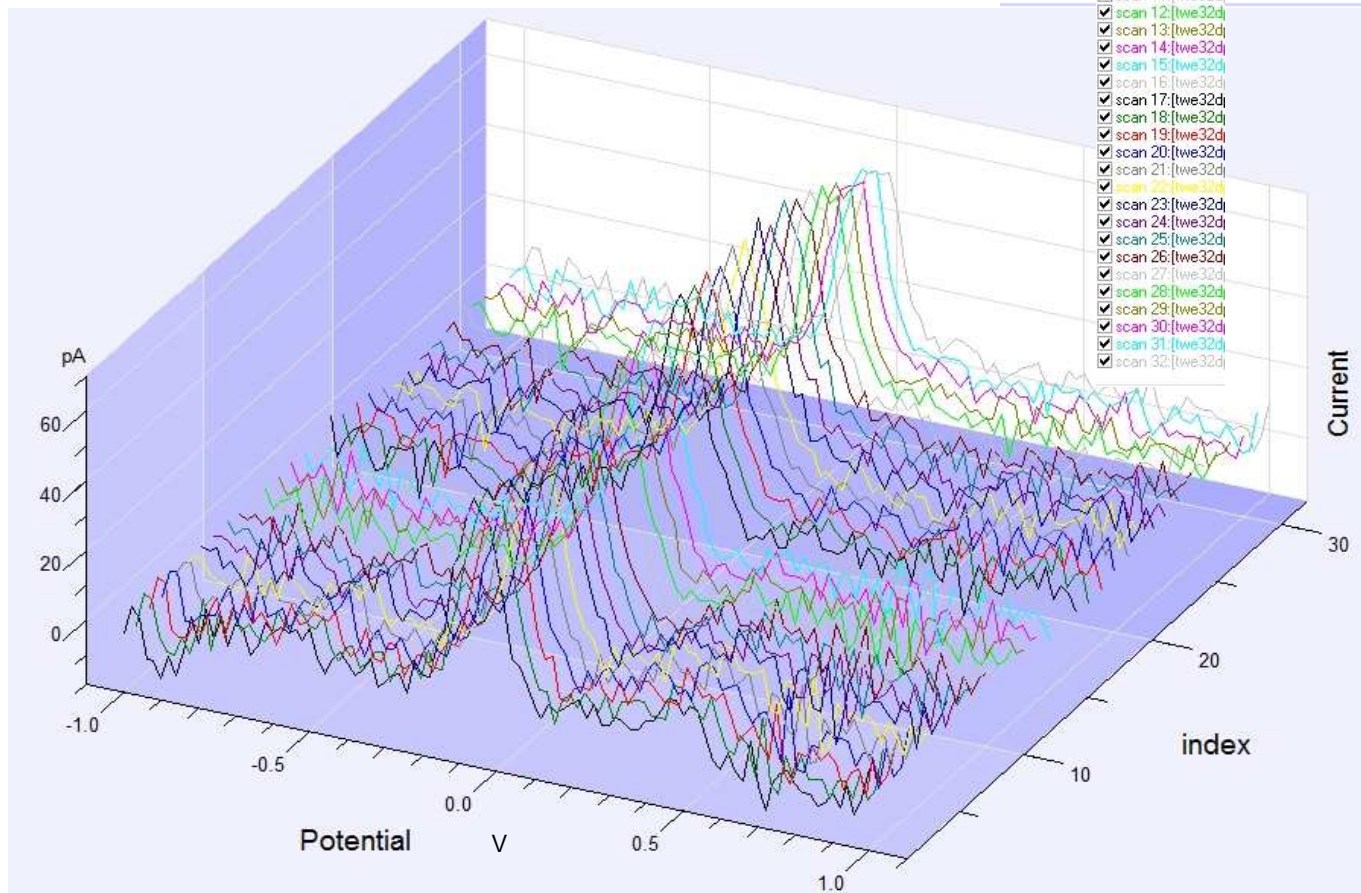
**Potential applied  
To 32 channels simultaneously**

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

**The MultiWE32 will accommodate cells with up to 32 Working Electrodes!**

- To be used as add-on module for CompactStat and IviumStat
- Operate up to 32 WE's, 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! (i.c.w. IviumStat)

## Multichannel simultaneous acquisition



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

## Specifications:

### Each channel

Independent programmable offset  
Max current: +/- 1mA  
Max offset: +/- 2V, 0.0625mV resolution  
Max applied potential: +/-20V (determined by controlling potentiostat)  
Bandwidth > 100kHz  
Full potentiostat capability

### 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/sec (0.1sec interval time)

#### Sequential:

- All electrochemical potentiostatic methods possible
- Frequency response analysis