



## DATASHEET



TEVOMET is a multi-channel meter suitable for laboratory and industrial use. It features 16 independent channels with high precision A/D converters with low noise, automatic offset cancellation and AC filtering.



## FEATURES

- 16 independent channels for temperature sensors and voltage measuring
- Multiple order of magnitude input voltage range
- Basic voltage ranges  $\pm 1.5$  V and  $\pm 150$  V
- Programmable gain up to 256x for mV and  $\mu$ V measurements (e.g. for thermocouples)
- Other ranges available with piggyback accessories
- Most common temperature sensors
  - Thermocouples, built in precise cold junction compensation
  - RTD sensors (Pt100, Pt1000)
  - NTC thermistors up to 10 k $\Omega$
- Each channel is galvanically isolated
- 16-bit precise A/D converters with low noise, automatic offset cancellation and AC filtering
- Adjacent channels can be daisy-chained
- Multiple TEVOMETs can be chained through XC2 bus up to hundreds of channels
- Multiple communication options – USB, RS-485 (XC2 protocol)
- Simple open XC2 communication protocol
- Variety of other products can be connected to TEVOMET's XC2 bus (I/O modules, CVMs, etc.)
- PC monitoring software
- LabView drivers
- On-demand modification options: additional communication protocols (Modbus RTU), Ethernet, extending I/O, custom algorithms, built-in display, SD card logging, etc.

## APPLICATIONS

- Fuel-cell stack monitoring
- Electrolyzer monitoring
- Battery monitoring
- Experimental instrumentation
- Bakeout controllers
- Test stand automation



# Cell Voltage Monitor

Kits based on CVM32A module

## FCM-32A

### TECHNICAL PARAMETERS

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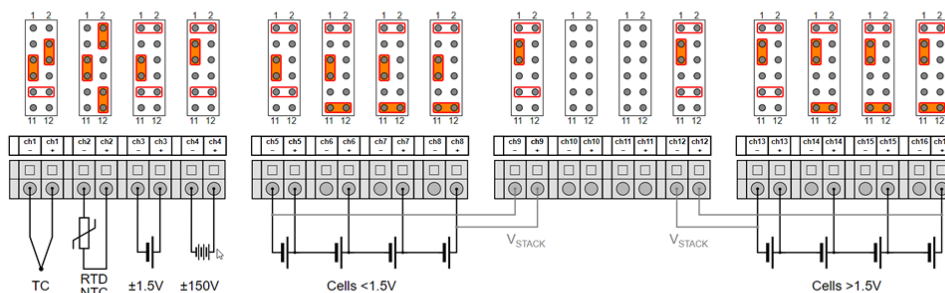


# Cell Voltage Monitor

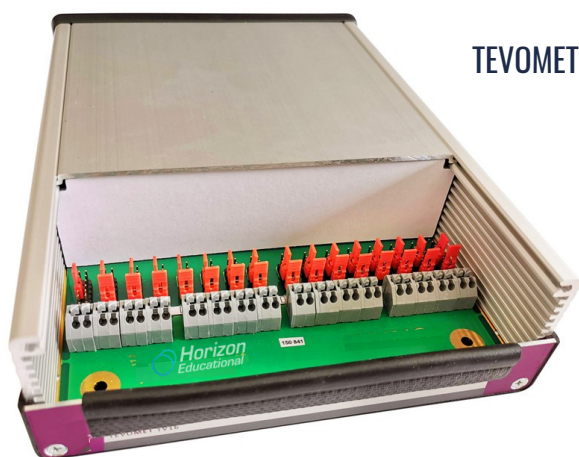
## Kits based on CVM32A module

# FCM-32A

## CHANNEL CONNECTION AND CONFIGURATION



Examples of connections and jumper setup



TEVOMET TVM-16 with removed cover for connection clamps and configuration jumpers

## ORDERING INFORMATION

Types	Description
TEVOMET TVM-16	16 independent channels, individually configurable by jumpers, connection to internal clamps, RS-485, USB

Options available for each type upon request:

- Ethernet communication
- DIN-rail holder
- Customization of 150V input voltage range - please contact us with requirements

## ACCESSORIES

- Piggyback submodules for custom voltage ranges
- Other ranges on request