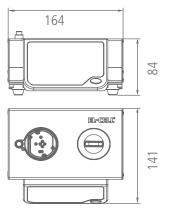




Dimensions in mm:



PAT-Terminal-1

Powerful assistance in the glovebox

The PAT Terminal-1 greatly simplifies your workflow when assembling PAT series test cells in the glove box. It is an advanced PAT-Channel-1 that can perform impedance measurements and other quick functional tests of your test cells as a stand-alone device.

Insert the newly built cell into the PAT-Terminal-1 and directly read the electrical values and sensor signals like force, pressure, or dilation on the large display.

This allows you to make precise sensor adjustments for in-situ cells such as the PAT-Cell-Force directly in the glove box or to check the electrical values immediately after assembly.

Of course, the PAT-Terminal-1 is also a fully equipped test channel with all PStat/GStat/EIS abilities and can be connected as usual to the controller unit of a PAT-Tester-x-8.

Key Features

- Fully equipped test channel with PStat/GStat/EIS
- Can be operated as a stand-alone device directly in the glovebox
- Can perform cell functionality checks (e.g. impedance)
- Integrated display showing live data of inserted test cell
- Can be used as test channel in a PAT-Tester-x-8 setup

Use Cases:

- Stand-alone device for cell sensor adjustment and functionality tests
- Fully equipped test channel with PStat/GStat/EIS for use in a PAT-Tester-x setup

Product website:



Manual (PDF):





Specifications

Width / Depth / Height (in mm) 164 / 141 / 97	
Channels per device Control Voltage / Compliance Voltage Current ±100 mA Cell connection / Electrode connection 3 electrodes, sense connections, connection matrix ADC 2 x 24 bit DAC 1 x 18 bit Slew rate 2.5 V / µs Bandwidth ranges 500 kHz, 50 kHz, 5 kHz Sampling interval (rate) Input Impedance Computer Interface 1 GBit Ethernet, Multiuser, Device runs standalone (immune to network interr Acquisition voltages Measurement Accuracy 4:0.02% of FSR (Full Scale Range) Measurement Noise floor Control Resolution 57 µV (18 Bit) Current Ranges 4:100 mA, ±1 mA, ±100 µA, Autorange Measurement Noise floor Control Resolution 1 nA min. (18 bit) Frequency range 100 µHz to 100 kHz Impedance mode Impedance mode Impedance range 1 mQ to 100 MQ ElS quality indicator ElS drift correction ElS dadptive amplitude Multiple digital I*C bus sensors, e.g. for cell temperature and gas pressure, 10 Multiple digital I*C bus sensors, e.g. for cell temperature and gas pressure, 10 Multiple digital I*C bus sensors, e.g. for cell temperature and gas pressure, 10 Multiple digital I*C bus sensors, e.g. for cell temperature and gas pressure, 10 Multiple digital I*C bus sensors, e.g. for cell temperature and gas pressure, 10 Multiple digital I*C bus sensors, e.g. for cell temperature and gas pressure, 10 Multiple digital I*C bus sensors, e.g. for cell temperature and gas pressure, 10 Multiple digital I*C bus sensors, e.g. for cell temperature and gas pressure, 10 Multiple digital I*C bus sensors, e.g. for cell temperature and gas pressure, 10 Multiple digital I*C bus sensors, e.g. for cell temperature and gas pressure, 10 Multiple digital I*C bus sensors, e.g. for cell temperature and gas pressure, 10 Multiple digital I*C bus sensors, e.g. for cell temperature and gas pressure, 10 Multiple digital I*C bus sensors, e.g. for cell temperature and gas pressure, 10 Multiple digital I*C bus sensors, e.g. for cell temperature and gas pressure, 10 Multiple digital I*C bus sensors, e.g. for cell temperature and gas pressure, 10 Multiple digital I*C	
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Sew rate 2.5 V / μs	
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	analog
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Cell Identification Supports PAT-Button for reading the unique test cell serial number	
Software features EL-Software with: Experiment designer, Cell and material management with database, Script ed syntax check, Live data monitoring, Analysing and reporting capabilities	tor with

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