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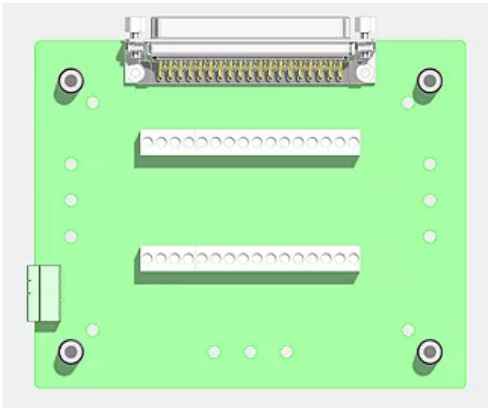
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight BT2180A

Agilent Keysight BT2180A Battery Test Module Queue model BT2180A is the Keysight BT2180A remaining-queue battery-test module (title Agilent/Keysight BT2180A). BTxxxxA numbers in this catalog are Keysight battery-test / BT2200-class fixtures or modules. Exact channels, current, and connector are on the BT2180A drawing and are not invented here. Sibling remaining-queue SKU BT2183A isadifferent configurator. Battery-test systems that specify BT2180A. Keysight BT2180A remaining-queue battery-test module Queue model BT2180A is the Keysight BT2180A remaining-queue battery-test module (title Agilent/Keysight BT2180A). BTxxxxA numbers in this catalog are Keysight battery-test / BT2200-class fixtures or modules. Exact channels, current, and connector are on the BT2180A drawing and are not invented here. Sibling remaining-queue SKU BT2183A isadifferent configurator. Battery-test systems that specify BT2180A. Keysight BT2180A remaining-queue battery-test module Manufacturer: Hewlett Packard / Agilent / Keysight



MODEL

**Agilent / Keysight
BT2180A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

BT2180A

LISTING

<https://aumictechlabs.com/products/bt2180a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight BT2180A is a breakout board that interfaces the BT2152B Self-Discharge Analyzer with battery cells under test. It has 16 measurement channels via DB37(f) connector and two 16-pin screw terminal blocks, supporting twisted-pair wiring from 16 to 30 AWG. The board enables

direct measurement of cell self-discharge current, reducing test duration from weeks or months to 1–2 hours. By rapidly sorting cells with acceptable self-discharge behavior, the BT2180A supports high-volume lithium-ion manufacturing while optimizing production costs and reducing work-in-process inventory. The board mounts via feet or four standoff holes for integration into test fixtures or cabinets.

Technical Specifications

Connector Interface: DB37(f) to screw terminals

Measurement Channels: 16 per BT2180A board

Terminal Configuration: Two 16-pin screw terminal blocks

Supported Wire Gauge: 16 to 30 AWG twisted pair

Cable Requirements: Twisted pairs per channel with separate braided shield around bundle; DB37(m) connectors with machined pins recommended for optimal measurement consistency with BT2152B

Mounting: Table feet and four mounting holes for standoff attachment

Key Features

- Direct self-discharge current measurement at the cell level
- Twisted-pair wiring support for signal integrity across extended cable runs
- Screw terminal interface for straightforward cell fixture integration
- Rapid cell binning to identify acceptable versus marginal self-discharge performance
- Accelerated test cycles enabling production throughput optimization

Typical Applications

- Lithium-ion cell acceptance testing in manufacturing environments
- Production cell sorting and quality screening
- Cell pre-characterization prior to pack assembly

Compatibility & Integration

The BT2180A operates with the Keysight BT2152B Self-Discharge Analyzer and BT2155A Self-Discharge Analysis Software to form a complete cell evaluation platform. Conforms to US and Canadian safety regulations; CE-marked and compliant with the European Low Voltage Directive.

BT2180A Characteristics / Specifications

PARAMETER	VALUE
Model	BT2180A
Instrument Type	battery test module
Manufacturer	Hewlett Packard / Agilent / Keysight
Literature	HP/Agilent/Keysight BT2180A remaining-queue listing
Family	Keysight BT battery-test class
Form Factor	battery-test module / fixture card
System Role	battery test module
Brand Lineage	HP / Agilent / Keysight
Queue Title	Agilent/Keysight BT2180A
Documentation Type	OEM BT2180A listing
Use Case	Battery-test systems that specify BT2180A
Vendor Path	HP / Agilent / Keysight
Year Class	BT2180A generation
Application Class	battery test module
Module Class	battery test module
Host Class	instrument host per drawing
Connector Class	connectors on the BT2180A drawing
Ate Class	battery formation / test
Control Class	BT2180A front panel / firmware
Environment Class	ambient on the BT2180A sheet
Mains Class	mains on the BT2180A nameplate
Voltage Class	volts on the BT2180A nameplate
Current Class	amperes on the BT2180A nameplate
Sibling	BT2183A isadifferent remaining-queue configurator

BT2180A Specifications

PARAMETER	VALUE
Agilent Keysight BT2180A Battery Test Module	Overview
Applications	Battery-test systems that specify BT2180A.
Key Features	Keysight BT2180A remaining-queue battery-test module
Technical Specifications	Model: BT2180A

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	BT2180A
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Notes

From remaining-queue title Agilent/Keysight BT2180A. Channels, current, and connector are on the BT2180A drawing. BT2183A isadifferent SKU.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.