

**Aumictech**

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Data Sheet

August 3, 2026

KEYSIGHT

Keysight (Agilent) N6705C

Keysight (Agilent) N6705C DC Power Analyzer The Keysight N6705C isaDC Power Analyzer mainframe in the N6700/N6705 family that combines modular programmable DC power with built-in measurement, arbitrary waveforms, data logging, and scope-like analysis for advanced power characterization. It accepts N6700-series DC power modules (up to four module slots depending on configuration) and provides an integrated front-panel UI for sourcing and analyzing DUT power. Battery drain analysis; power-amplifier and device power characterization; multi-rail sequencing; R&D power debugging with sourced arbitrary voltage/current profiles. The Keysight N6705C isaDC Power Analyzer mainframe in the N6700/N6705 family that combines modular programmable DC power with built-in measurement, arbitrary waveforms, data logging, and scope-like analysis for advanced power characterization. It accepts N6700-series DC power modules (up to four module slots depending on configuration) and provides an integrated front-panel UI for sourcing and analyzing DUT power. Battery drain analysis; power-amplifier and device power characterization; multi-rail sequencing; R&D power debugging with sourced arbitrary voltage/current profiles.

No photo

MODEL Keysight N6705C	CALIBRATION N/A — off-catalog OEM datasheet
CONDITION See OEM documentation	STATUS Not listed on Aumictech inventory
RFQ / SKU N6705C	LISTING Off-catalog — OEM dat asheet only

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

Features & description

From manufacturer datasheet

Features

- Mainframe: N6705C DC Power Analyzer
- Modular: accepts N6700 Series power modules
- Integrated measurement, scope/data-log style analysis
- Arbitrary waveform / output profiling capability (family)
- USB/LAN/GPIB connectivity (family)
- Confirm installed modules for exact V/I/power ratings

Built-in digitizer/measurement and arbitrary source features per N6705C datasheet

Data logging and scope views for voltage/current vs time Connectivity LAN, USB, GPIB (typical N6705 family) Operational Notes N6705C is the mainframe—list installed module model numbers for complete output ratings. Prefer Keysight N6705C DC Power Analyzer datasheet for digitizer rates, arbitrary waveform limits, and module compatibility matrix.

N6705C Characteristics / Specifications

PARAMETER	VALUE
Model	N6705C
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	DC Power Analyzer Mainframe
Family	N6705 / N6700 Modular Power
Alias	N6705C; Agilent N6705C Mainframe
Function	Modular DC power analyzer host
Module Slots	Up to four N6700-series modules (confirm N6705C slot map)
Output capability	Determined by installed modules (e.g., N673x/N675x/N676x/N678x families) Analysis Built-in digitizer/measurement and arbitrary source features per N6705C datasheet Data logging and scope views for voltage/current vs time
N6705C is the mainframe	list installed module model numbers for complete output ratings. Prefer Keysight N6705C DC Power Analyzer datasheet for digitizer rates, arbitrary waveform limits, and module compatibility matrix.
Mainframe	N6705C DC Power Analyzer
Modular	accepts N6700 Series power modules

N6705C Specifications

PARAMETER	VALUE
Keysight (Agilent) N6705C DC Power Analyzer	Overview
Key Features	- Mainframe: N6705C DC Power Analyzer
Technical Specifications	Model: N6705C
Analysis	Built-in digitizer/measurement and arbitrary source features per N6705C datasheet
Connectivity	LAN, USB, GPIB (typical N6705 family)

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

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Model	N6705C
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	DC Power Analyzer Mainframe
Family	N6705 / N6700 Modular Power
Alias	N6705C; Agilent N6705C

Mainframe

Specifications

PARAMETER	VALUE
Function	Modular DC power analyzer host
Module Slots	Up to four N6700-series modules (confirm N6705C slot map)
Output capability	Determined by installed modules (e.g., N673x/N675x/N676x/N678x families)

Analysis

Built-in digitizer/measurement and arbitrary source features per N6705C datasheet

Data logging and scope views for voltage/current vs time

Connectivity

LAN, USB, GPIB (typical N6705 family)

Operational Notes

N6705C is the mainframe-list installed module model numbers for complete output ratings. Prefer Keysight N6705C DC Power Analyzer datasheet for digitizer rates, arbitrary waveform limits, and module compatibility matrix.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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.