

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

KEITHLEY

Keithley 706 Scanner Mainframe Chassis

The Model 706 is an IEEE-488 scanner mainframe that holds ten plug-in scanner cards. Ten cards yield up to 100 two-pole channels on one GPIB address; daisy-chaining four slave 706s with one master expands to 500 two-pole channels. Front-panel and bus control open/close channels, scan first-to-last once/continuously/manually, and run 15 internal programs (address, settle time, store/recall 75 relay setups, digital I/O, pole mode, master/slave). A battery-backed clock supports time-dependent sequences. Automated multi-channel switching on IEEE-488; thermocouple, low-voltage, low-current, high-voltage, high-current, matrix, and general-purpose cards; daisy-chained production fixtures. Operating environment: 0 C to 50 C, 0% to 80% RH up to 35 C AC power: 90-125 V or 195-250 V internally selected, 50 Hz to 400 Hz Dimensions: 178 mmHx 438 mmWx 448 mm D (7 in x 17.25 in x 17.375 in) Specs from Keithley Model 706 Scanner Instruction Manual. Per-channel voltage/current limits are those of the installed scanner card. Model 7055 is the quick-disconnect terminal section of a 7056 assembly, not this mainframe.



MODEL

Keithley 706

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

706

LISTING

<https://aumictechlabs.com/products/706-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keithley 706 Scanner Mainframe provides a flexible platform for creating automated test systems. It accepts a variety of plug-in cards, allowing users to configure the system to meet their specific needs. The mainframe supports a range of switching functions, including voltage,

current, resistance, and temperature measurements. Its solid design and versatile capabilities make it suitable for a wide range of applications in research, development, and manufacturing.

Features & description

From manufacturer datasheet

Features

- Ten rear card slots (versus two on Model 705)
- 15 front-panel programs including IEEE address 0 to 31 (factory 18)
- Store 75 relay setups
- 16-line digital I/O (8 in / 8 out, TTL)
- BNC External Trigger, Alarm Out/Serial-In, Channel Ready, Serial Out
- Compatible cards include 7052 matrix, 7053 high current, 7054 high voltage, 7056 GP, 7057A thermocouple, 7058 low current, 7059 low voltage

706 Characteristics / Specifications

PARAMETER	VALUE
Model	706
Manufacturer	Keithley Instruments
Instrument Type	IEEE-488 scanner mainframe
Alias	Keithley 706
Card capacity	10 plug-in cards per mainframe
Channels per mainframe	up to 100 two-pole
Daisy chain	1 master plus up to 4 slaves
Expanded channels	up to 500 two-pole on one IEEE address
Switching rate max	100 channels per second (10 ms)
Switching interval max	999.999 s (1 channel per 16 minutes)
Relay drive	4 A minimum
Display	seven 0.5 inch LED digits with decimal point, function and IEEE status annunciators
Internal clock	hours/minutes/seconds or date/month; less than 1 minute per month error typical
IEEE 4	provided
IEEE factory address	18
IEEE address range	0 to 31 via Program 3
Pole modes	1, 2, or 4 pole
Scan modes	once, continuous, or manual first-to-last
Stored setups	75
Internal programs	15
Digital I/O	16 lines (8 input, 8 output TTL) plus +5 V and IEEE common
BNC connectors	External Trigger, Alarm Out/Serial-In, Channel Ready, Serial Out
Battery backup	rechargeable 3.6 V NiCd, 1 month retention with unit off
Operating environment	0 C to 50 C, 0% to 80% RH up to 35 C

PARAMETER	VALUE
Storage environment	-25 C to 65 C
AC power	90-125 V or 195-250 V internally selected, 50 Hz to 400 Hz
Power consumption	75 VA maximum
Dimensions	178 mmHx 438 mmWx 448 mm D (7 in x 17.25 in x 17.375 in)
Weight	8.6 kg (19 lb)
Related 7	two-card scanner mainframe
Card 70	4 × 5 matrix, 20 crosspoints

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	706
Manufacturer	Keithley Instruments
Instrument Type	IEEE-488 scanner mainframe
Alias	Keithley 706
Card capacity	10 plug-in cards per mainframe
Channels per mainframe	up to 100 two-pole
Daisy chain	1 master plus up to 4 slaves
Expanded channels	up to 500 two-pole on one IEEE address
Switching rate max	100 channels per second (10 ms)
Switching interval max	999.999 s (1 channel per 16 minutes)
Relay drive	4 A minimum
Display	seven 0.5 inch LED digits with decimal point, function and IEEE status annunciators
Internal clock	hours/minutes/seconds or date/month; less than 1 minute per month error typical
IEEE 488	provided
IEEE factory address	18
IEEE address range	0 to 31 via Program 3
Pole modes	1, 2, or 4 pole
Scan modes	once, continuous, or manual first-to-last
Stored setups	75
Internal programs	15
Digital I/O	16 lines (8 input, 8 output TTL) plus +5 V and IEEE common
BNC connectors	External Trigger, Alarm Out/Serial-In, Channel Ready, Serial Out
Battery backup	rechargeable 3.6 V NiCd, 1 month retention with unit off
Operating environment	0 C to 50 C, 0% to 80% RH up to 35 C
Storage environment	-25 C to 65 C

PARAMETER	VALUE
AC power	90-125 V or 195-250 V internally selected, 50 Hz to 400 Hz
Power consumption	75 VA maximum
Dimensions	178 mmHx 438 mmWx 448 mm D (7 in x 17.25 in x 17.375 in)
Weight	8.6 kg (19 lb)
Related 705	two-card scanner mainframe
Card 7056	10 channel general purpose
Card 7052	4 x 5 matrix, 20 crosspoints

Notes

Specs from Keithley Model 706 Scanner Instruction Manual. Per-channel voltage/current limits are those of the installed scanner card. Model 7055 is the quick-disconnect terminal section of a 7056 assembly, not this mainframe.

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>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 13, 2026

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