

Keithley 3706A

Keithley 3706A System Switch/ Multimeter



The Model 3706A system switch with high performance DMM contains six slots for plug-in cards in a compact 2U high enclosure that easily accommodates the needs of medium to high channel count applications. When fully loaded, a mainframe can support up to 576 two-wire multiplexer channels for unrivaled density and economical per channel costs. The result is a tightly integrated switch and measurement solution that's equally at home on the bench or in the rack.

Features	Benefits
Four configuration options available	Allows buying the minimum functionality the application requires: with or without DMM, with or without front panel display and keypad.
Embedded Test Script Processor (TSP®)	Avoids communication delays between the PC controller and instrument by embedding test scripts in the instrument itself, improving test throughput dramatically.
TSP-Link® master/slave connection	Offers easy system expansion between mainframes; also allows connecting to other TSP-Link enabled instruments such as Series 2600B SourceMeter SMU instruments.
Optional 7½-digit DMM is connected to the mainframe's analog backplane	Ensures a high quality signal path from each card channel to the multimeter.
Built-in Web interface	Offers a quick and easy method to control and analyze measurement results.
Four configuration options available	Supports high throughput component testing.
Front panel USB 2.0 device port	Simplifies transfer of readings, system configurations, and test scripts by allowing them to be saved to memory sticks.
Built-in LXI/Ethernet, GPIB, and USB interfaces	Supports easy connectivity with other equipment in the test system.
Fourteen programmable digital I/O lines	Allows easy control of external devices like component handlers or other instruments.