

Replacement Products

This table includes a list of older Keithley products and suggested replacement models that can be used to upgrade the capabilities of these older products. Many of these products are at or near the end of their serviceable life. To ensure adequate replacement, please review the replacement instrument's specifications in this catalog or on the Keithley Web site. If the suggested replacement does not meet specific application requirements or if the model being upgraded is not listed, check the Web site FAQs for upgrade options, or contact the Keithley Applications Department or your local Keithley representative for assistance.

OLDER MODELS	DESCRIPTION	SUGGESTED REPLACEMENTS
ELECTROMETERS		
200, 200A, 200B, 210, 220	Electrometer Voltmeters	6514
487, 610, 610A, 610B, 610C, 610R	Electrometers	236, 6514, 6517A, 6487
487, 614, 615, 616, 617, 6512	Digital Electrometers	236, 6514, 6517A, 6487
486, 603, 604, 619	Dual Electrometers	236, 6514, 6517A, 6485
640, 642, 642LN	10 ⁻¹⁷ A Electrometer	6430
PICOAMMETERS		
409, 410, 410A, 411, 414, 414A, 414S, 415, 480, 485, 486, 487, 614	Picoameters	6514, 6485, 6487
412, 413, 26000	Log Picoameters	6485
418, 419, 440, 445, 486, 487	Digital Picoameters	6485, 6487
416, 417, 427, 486, 487	High Speed Picoameters	428 with 2000
LOW VOLTAGE INSTRUMENTS		
140, 147, 148, 149, 150, 181, 182	Nanovoltmeters	2182A
150A, 150B, 155, 180, 181, 182, 303	Null Detectors	2182A
151, 151C, 153, 155	Microvoltmeters/Null Detectors	2182A
DIGITAL MULTIMETERS		
160, 160B, 161, 163, 171, 177	DMMs (1 μ V)	2000, 2010, 2700, 2750
165, 167, 168, 169, 174, 175, 175A, 179A	DMMs (low-cost)	2000, 2700, 2750
192, 197	DMMs (512–612 digits)	2000, 2001, 2010, 2700, 2701
190, 191, 195, 195A, 199	DMMs (512 digits)	2000, 2700, 2701
172, 172A, 173, 176, 178, 179, 179-20A	DMMs (412 digits) (10 μ V)	2000, 2700, 2701
192, 193, 193A, 196, 197A, 199	System DMMs	2000, 2001, 2002, 2010, 2700, 2701
RESISTANCE MEASURING INSTRUMENTS		
164, 502, 502A, 505, 580	Milliohmeters	2010, 2750, 2182 + 2400, 6220 + 2182A
487, 500, 501, 510, 515, 520	High-Resistance Instruments	6517A, 6487
CURRENT SOURCES		
220, 224, 225	Current Source	236, 2400, 6220, 6221
261, 263	Current Source	6220, 6221, 6430
227, 228	Current Source	238, 2420
VOLTAGE SOURCES		
240, 240A, 241, 242, 247, 244, 245, 246, 2004, 2004A	High Voltage Supplies	237, 248, 2410
SWITCHES		
702	Scanner	7001, 2700, 2701, 2750
703, 706	Scanner	7002, 2700, 2701, 2750
705	Scanner	7001, 2700, 2701, 2750
PLUG-IN BOARDS		
DAS-1201, DAS-1202	16 Channel, 12-Bit A/D Boards	KPCI-3101
DAS-1401, DAS-1402	16 Channel, 12-Bit A/D Boards	KPCI-3101, KPCI-3102
DAS-1801AO, DAS-1801ST-DA	16 Channel, 12-Bit A/D Boards, w/DACs	KPCI-3104, KPCI-1801HC
DAS-1801ST	16 Channel, 12-Bit A/D Boards	KPCI-3103, KPCI-1801HC
DAS-1802AO	16 Channel, 12-Bit A/D Boards, w/DACs	KPCI-3104, KPCI-1802HC
DDA-06, DDA-08, DDA-16	Analog Output Boards	KPCI-3130, KPCI-3132
ERB-24	24-Channel Relay Board	SSIO-24, PB-24SM
KPC-488.2AT	IEEE-488 Interface Board	KPC-488.2, KPCI-488, KUSB-488
KPCI-3107, KPCI-3108	Wide Gain Multifunction Boards	KPCI-3116
KPCMCA-12AIAO-C, KPCMCA-12AIAOH-C, KPCMCA-12AIH-C	PCMCIA Multifunction DAQ Boards	KPCMCA-12AI-C
KPCMCA-16AIAO-C	PCMCIA Multifunction DAQ Boards	KPCMCA-16AI-C
KPCMCA-8A0B-C, -8A0U-C	PCMCIA Analog Output Boards	Call Factory
MB-02, MB-03	Signal Conditioning Module Racks	MB-01, MB-04, MB-05
PDMA-16, PDMA-32	16-Line High Speed Digital I/O Board	KPCI-PIO24, KPCI-PIO96, KPCI-3160. Call Factory.
PIO-SSR-24	Solid State Relay Digital I/O Board	PIO-SSR-48, PIO-SSR-120
REL-16	Relay Output Board	KPCI-PDISO8A, KPCI-PIO32IOA
PIO-96, PIO-96/CE	96 Line Digital I/O Boards	PIO-96J, KPCI-PIO96, KPCI-3160
DAS-1700 Series	16 Channel, 12-Bit A/D Boards	KPCI-3101, KPCI-3102, KPCI-3103, KPCI-3104
CTM-05, CTM-05/A, CTM-10	Counter/Timer Boards	KPCI-3140
EXP-16/A	Expansion Accessory	EXP-16
SWITCHING AND CONTROL CARDS		
7036-D	7001/7002 Isolated Switch Card	7036
7037	7001/7002 Control Card	7037-D
7054	7001/7002 High Voltage Card	7154
7057A	7001/7002 Thermocouple Card	7014
7059	7001/7002 Low Voltage Card	7067
7074-D	707A/708A Multiplexer Card	7075
7077	707A/708A Matrix Card	7076
7156-D	7001/7002 General Purpose Card	7164-D

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