

B & K-PRECISION MODEL 1476 PARTS LIST

SCHEMATIC SYMBOL	DESCRIPTION	B & K PART NO.
VARIABLE AMP BOARD		
C402, 405, 422, 425 }	47μF, 10V Electrolytic Capacitor	022-119-9-004
Q401, 402, 403, 404 }	Transistor, NPN Silicon, Signal 2SC535-C	176-055-9-001
R404, 406, 424, 426 }	182Ω, ¼W, ±1% Metal Coated Resistor	013-010-9-014
VR401	100Ω Potentiometer	008-292-9-002
VR402	100Ω Potentiometer	008-282-9-004

MISCELLANEOUS

DESCRIPTION	B & K PART NO.
Bezel	380-338-9-003
Bezel Assembly	380-341-9-001
Bezel Frame	769-102-9-002
Case	272-149-9-001
CRT	230-009-9-001
Filter	380-338-9-001
Fuse, 0.3A	191-010-9-001
Fuse, 0.7A	191-011-9-001
Fuse Clip	742-031-9-001
Knob, "VOLTS/CM", "SWEEP TIME/CM"	751-186-9-001
Knob, "VARIABLE"	751-186-9-003
Knob, "INTENSITY", "FOCUS", "POSITION", etc.	751-186-9-002
Knob, Lever Switch	751-186-9-004
Line Cord	420-013-9-001
Vector Overlay	492-044-9-001
Transformer, Power	065-126-9-001

NOTE: Standard value resistors and capacitors are not listed. Values may be obtained from schematic diagram. Minimum charge \$5.00 per invoice. Orders will be shipped C.O.D. unless previous open account arrangements have been made or remittance accompanies order. Advance remittance must cover postage or express charges. Specify serial number when ordering replacement parts.



**10 MHz Dual Trace
OSCILLOSCOPE**

SCHEMATIC SYMBOL	DESCRIPTION	Parts List 488-241-9-002	B & K-PRECISION PART No.
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VERTICAL AMP AND POWER SUPPLY BOARD

RESISTORS & CONTROLS

R102, 152	900KΩ, ¼W, ±1% Metal Coated	013-010-9-011
R103, 153	990KΩ, ¼W, ±1% Metal Coated	013-010-9-012
R104, 154	999KΩ, ¼W, ±1% Metal Coated	013-010-9-013
R105, 155	111KΩ, ¼W, ±1% Metal Coated	013-010-9-010
R106, 156	10.1KΩ, ¼W, ±1% Metal Coated	013-010-9-008
R107, 157	1KΩ, ¼W, ±1% Metal Coated	013-010-9-004
R108, 158	1MΩ, ¼W, ±1% Metal Coated	013-008-9-023
R119, 120, 169, 170, 262 }	8.2KΩ, ¼W, ±1% Metal Coated	013-010-9-007
R121, 122, 171, 172, 261 }	4.3KΩ, ¼W, ±1% Metal Coated	013-010-9-005
R123, 124, 173, 174 }	560Ω, Metal Coated	004-164-9-001
R125, 175	741Ω, ¼W, ±1% Metal Coated	013-010-9-003
R126, 176	392Ω, ¼W, ±1% Metal Coated	013-010-9-002
R127, 177	115Ω, ¼W, ±1% Metal Coated	013-010-9-001
R130, 131, 180, 181 }	3.2kΩ, ¼W, ±1% Metal Coated	004-164-9-002
R270	300KΩ, ¼W, ±1% Metal Coated	013-008-9-021
R278	13.3KΩ, ¼W, ±1% Metal Coated	013-010-9-009
VR101, 111	470Ω Potentiometer	008-235-9-002
VR102, 112	500Ω Variable Resistor, "▲ POSITION"	008-235-9-003
VR103, 113	150Ω Potentiometer	008-174-9-001
VR104	1KΩ Potentiometer	008-169-9-006
VR105, 107, 108	47KΩ Potentiometer	008-169-9-008
VR106	330KΩ Potentiometer	008-163-9-009
VR109	2.2KΩ Potentiometer	008-169-9-007
VR110	470Ω Potentiometer	008-163-9-008
VR114, 115	5KΩ Variable	008-282-9-002

CAPACITORS & TRIMMERS

C101, 121	.1μF Metalized Polystyrene	033-019-9-002
C109, 129, 132, 133, 158, 159 }	100μF, 10V Electrolytic	022-123-9-002
C112, 160	47μF, 16V Electrolytic	022-173-9-004
C114, 157, 163	33μF, 25V Electrolytic	022-135-9-001
C141	1000pF, 2KV Ceramic	020-163-9-005
C148	470μF, 50V Electrolytic	022-135-9-003
C156	1μF, 250V Electrolytic	021-041-9-001
C162, 165	1000μF, 25V Electrolytic	022-135-9-002
C164	47μF, 250V Electrolytic	021-057-9-001
TC101, 102, 103, 104, 105, 106 }	6pF Ceramic Trimmer Capacitors	028-033-9-001
TC107, 108, 109, 110, 111, 112, 113 }	10pF Ceramic Trimmer Capacitors	028-033-9-002

SCHEMATIC SYMBOL

DESCRIPTION

B & K PART NO.

SEMICONDUCTORS & IC'S

D101, 102, 103, 104, 105, 106, 114, 115, 120, 121	Diode, Silicon 1S1555	151-028-9-007
D107, 116	Diode, Zener WZ100	152-050-9-003
D108	Diode, Silicon Y16JA	151-048-9-003
D109, 110, 111	Diode, Silicon W06C	151-052-9-002
D112	Diode, Silicon 1S1705	151-052-9-007
D113	Diode, Zener WZ050	152-069-9-001
D117	Diode, Zener WZ090	152-069-9-002
D118, 119	Bridge, Rectifier S1QB60	156-006-9-001
Q101, 121	Transistor, Field Effect, Dual 2SK58-1-M	182-047-9-001
Q102, 122	Transistor, Field Effect 2SK30A-0	182-026-9-001
Q103, 104, 109, 110, 111, 112, 119, 120, 123, 124, 130, 132, 133	Transistor, NPN Silicon, Signal 2SC945-P	176-055-9-002
Q105, 106, 113, 114, 125, 126, 131, 145	Transistor, NPN Silicon, Signal 2SC535-C	176-055-9-001
Q107, 108, 127, 128, 129	Transistor, PNP Silicon, Signal 2SA733-Q	177-018-9-001
Q115, 116	Transistor, NPN Silicon, Signal 2SC1628-Y	176-055-9-005
Q117, 118	Transistor, PNP Silicon, Signal 2SA818-Y	177-018-9-003
Q134, 135, 136, 137	Transistor, NPN Silicon, Signal 2SC983-Y	176-053-9-002
Q138	Transistor, NPN Silicon, Signal 2SC1213A(C)	176-055-9-003
Q139	Transistor, NPN Silicon, Signal 2SC1419C	176-055-9-004
Q140	Transistor, PNP Silicon, Signal 2SA755-C	177-018-9-002
Q141	Transistor, PNP Silicon, Signal 2SB536(2)LM	173-004-9-001
Q142	Transistor, Silicon 2SD401	174-004-9-001
IC101, 102	IC, Linear AN904	307-071-9-001
IC103	IC, Digital TD3472AP	307-069-9-003
IC104	IC, Digital TD3403AP	307-069-9-002
IC105	IC, Linear RC4558T	307-069-9-005

COILS & TRANSFORMERS

L101, 102	47μH, Fixed Inductor	041-068-9-002
L103, 104	68μH, Fixed Inductor	041-068-9-009
L107	470μH, Fixed Inductor	041-071-9-001
L108	4.7μH, Fixed Inductor	041-068-9-008
T101	Converter Transformer	064-015-9-001

SWITCHES

S1	"POWER SWITCH"	094-004-9-001
S101, 103, 105	Lever Switch "AC-GND-DC", "MODE"	080-003-9-001
S102, 104	Rotary Switch "VOLTS/CM"	083-208-9-001

SWEEP CIRCUIT BOARD

RESISTORS & CONTROLS

R324	3MΩ, ¼W, ±1% Metal Coated	013-010-9-015
R325, 379	100KΩ, ¼W, ±1% Metal Coated	013-008-9-020
R326	300KΩ, ¼W, ±1% Metal Coated	013-008-9-021
R327	500KΩ, ½W, ±1% Metal Coated	013-008-9-022
R328	1MΩ, ½W, ±1% Metal Coated	013-008-9-023
R345, 346	15KΩ, 2W, ±2% Metal Coated	013-010-9-016
R347	680Ω, ¼W, ±1% Metal Coated	013-010-9-018

SCHEMATIC SYMBOL

DESCRIPTION

B & K PART NO.

RESISTORS & CONTROLS, Cont'd

R378	68KΩ, 2W, ±5% Metal Coated	013-010-9-017
VR1	3MΩ, Potentiometer, "FOCUS"	008-235-9-001
VR2	1kΩ, Potentiometer, "INTENSITY"	008-292-9-001
VR3, S2	5kΩ, Potentiometer, "◀▶ POSITION", "MAG X5"	008-226-9-002
VR301, 304	470Ω, Potentiometer	008-163-9-008
VR303	150Ω, Potentiometer	008-174-9-002
VR305	10KΩ, Potentiometer	008-155-9-004
VR306	22KΩ, Potentiometer	008-163-9-010
VR307	5KΩ, Potentiometer	008-292-9-003
VR308, 309	4.7KΩ, Potentiometer	008-155-9-002
VR310, S305	50KΩ, Potentiometer w/switch, "TRIGGER LEVEL"	008-226-9-001
VR311	1KΩ, Potentiometer	008-155-9-005

CAPACITOR & TRIMMERS

C301, 302, 303, 332, 333	1μF, 50V, Electrolytic	022-086-9-004
C306	.47μF, 1% Metalized Polystyrene	033-019-9-003
C307	.0047μF, 1% Metalized Polystyrene	033-019-9-004
C310	.22μF, 25WV Tantalum Condenser	027-011-9-001
C313, 314, 324	1500pF, ±10%, 50V Polystyrene	030-037-9-001
C316, 317	.1μF Semiconductor Ceramic	033-018-9-001
C318, 319	220μF, 10V Electrolytic	022-126-9-001
C322	220μF, 16V Electrolytic	022-086-9-002
C323	.01μF, ±20%, 500V Disc Ceramic	020-111-9-005
C329	100μF, 10V Electrolytic	022-123-9-002
C330	47μF, 10V Electrolytic	022-119-9-004
C331, 311	4700pF, 10%, 50V Polystyrene	030-036-9-007
C341	1μF, 250V Electrolytic	021-059-9-001

SEMICONDUCTORS & IC'S

D301, 302, 303, 304, 305, 306, 308, 309, 310, 311	Diode, Silicon 1S1555	151-028-9-007
D307	Diode, Silicon 1S1587	151-048-9-001
Q301, 302, 303, 304, 305, 306, 309, 310, 311, 312, 313, 314, 315, 316, 319, 320, 321	Transistor, NPN Silicon, Signal 2SC945P	176-055-9-002
Q307	Transistor, PNP Silicon, Signal 2SA733Q	177-018-9-003
Q308	Transistor, Field Effect 2SK30A-O	182-026-9-001
Q317, 318	Transistor, NPN Silicon 2SC1507	176-055-9-006
IC301	IC, Digital TD3472AP	307-069-9-003
IC302	IC, Linear RC555DN	307-094-9-001
IC303, 304	IC, Digital TD3400AP	307-069-9-004
IC305	IC, Linear AN606	307-071-9-003

INDUCTORS

L301, 302, 303, 306, 307	47μH Inductor Coil	041-068-9-002
L304, 305	1mH Inductor Coil	041-077-9-001

SWITCHES

S302a, b, c	Rotary, "SWEEP TIME/CM"	083-004-9-001
S303a, b	Lever, "SOURCE"	080-004-9-001
S304a, b	Lever, "SYNC"	080-004-9-002

