

B & K-PRECISION MODEL 283 PARTS LIST

488-16309-002-B

SCHEMATIC
SYMBOL

DESCRIPTION

B & K
PART NUMBER

RESISTORS

R25	0.098Ω, ½W, ½% Wirewound	004-125-9-001
R26	0.9Ω, 1W, ½% Wirewound	004-160-9-001
R27	9Ω, ½W, ½% Metal Film	011-088-9-001
R28	90Ω, ½W, ½% Metal Film	011-089-9-001
R34	470kΩ, ½W, 5% Metal Film	011-102-8-474
R46	100kΩ, 5W, 10% Metal Glaze	004-161-9-001
R47	Special, High Voltage Current Limiter, Base Resistance, 2kΩ ±40%	004-163-9-001
R49	2.5kΩ Trimpot	008-236-9-001
R52	100kΩ Trimpot	008-238-9-001
R53, 54, 55	500Ω Trimpot	008-237-9-001
R56	8.87kΩ, ¼W, 1%, Metal Film	011-122-9-001
R218	100kΩ Multi-turn Potentiometer	008-254-9-001

CAPACITORS

C1, 2, 20	100pF, 500V, 10% Pre-formed Ceramic Disc	020-044-9-001
C3, 4, 5 6, 7, 8 }	.01μF, 100V, -20, +80% Pre-formed Ceramic Disc	020-101-9-001
C9	.001μF, 1kV, 10% Pre-formed Ceramic Disc	020-138-9-001
C10	.022μF, 1kV, 20% Pre-formed Polyester	025-103-9-001
C11, 12	470μF, 25V Electrolytic	022-095-9-001
C13	1.5μF, 100V P.F. Polyester	025-101-9-001
C14	.0033μF, 100V, 20% P.F. Polyester	025-105-9-001
C15	.047μF, 100V, 10% Polyester	025-094-9-001
C16, 17	10μF, 16V, 20% Pre-formed Tantalum	027-010-9-001
C18	15μF, 10V, 20% Pre-formed Tantalum	027-009-9-001
C19	220μF, 10V Electrolytic	022-109-9-001
C201	330pF, 500V, 10%, Pin Lead, Ceramic Disc	020-151-9-001
202	.005μF, 500V, 20%, Pin Lead, Ceramic Disc	020-152-9-001

DIODES

D1, 2, 3, 4	Diode, 1A, 600V	151-050-9-001
D5, 6	Diode, Protection Silicon	151-054-9-001
D7	Diode, Silicon Low Leakage	151-055-9-001
D8	Diode, 1N4007	151-053-9-001
D9	Diode, Zener 6.2V, 5%, 1W (1N4735A)	152-037-9-001
D10	Diode, Zener 1N749A (4.3V)	152-062-9-001
D11	Diode, Reference Zener 1N4565 (6.4V)	152-066-9-001

TRANSISTORS

Q1, 2, 3, 4, 5 }	Silicon 2N5818	176-051-9-001
Q7, 8, 9	FET, N-Channel Clamp Diode	182-036-9-001
Q10	FET, P-Channel	182-035-9-001

INTEGRATED CIRCUITS

IC1, IC4	CA3130 FET Op Amp	307-073-9-001
IC2	IC324 Quad Op Amp	307-060-9-001
IC3	IC301 Op Amp	307-074-9-001
IC5	CA3081 Transistor Array	037-075-9-001
IC6	AY-5-3507	307-077-9-001
IC7	IC4001 Quad Gates	307-072-9-001
IC8	IC4016 Quad Bilateral Switch	307-076-9-001

NETWORKS

RN1	Resistor Network, Input	012-011-9-001
RN2	Resistor Network, Display	012-007-9-001
RN3	Resistor Network	012-008-9-001
RN4	Resistor Network	012-009-9-001

TRANSFORMERS AND SWITCHES

T1	Power Transformer	065-116-9-001
S1	Switch, Function	083-186-9-001
S2	Switch, Range	083-187-9-001

DISPLAYS

DS1, 2, 3, 4	H.P. 5082-7650	238-008-9-001
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MISCELLANEOUS

F1	Fuse 1/8A, 3AG Pigtail	193-011-9-001
F1	Fuse 1/16A, 3AG Pigtail (240V Wired Unit)	193-004-9-001
F2	Fuse, 2 Amp, 3AG	191-251-3-002
	Bracket, P.C. Board	251-157-9-001
	Cover, Top	253-042-9-902
	Chassis, Main	257-067-9-902
	Decorative Inlay (Side Panel)	260-063-9-001
	Front Panel Overlay	260-069-9-001
	Bracket, Handle Mounting	261-067-9-001
	Case End Panel, Right	271-041-9-001
	Case End Panel, Left	271-042-9-001
	Terminal Strip	345-013-9-001
	Fuse Housing, 1/2 (2 req'd)	380-247-9-001
	Bezel, Display	280-250-9-001
	Filter, Transparent red	280-251-9-001
	Foot, Front	381-059-9-001
	Foot, Rear	381-061-9-001
	Line Cord	420-022-9-001
	Test Lead, Black	522-062-9-001
	Test Lead, Red	522-063-9-001
	Fuseholder/Jack Assembly	523-115-9-001
	Tinnerman (for window)	652-042-9-001
	"E" Ring, Bowed (for fuse housing)	741-082-9-001
	Handle	746-030-9-001
	Knob	751-130-9-001
	P.C.B., Plastic Standoff	759-062-9-001
	Spring, Fuse Contact	767-038-9-001
	Receptacle, Chassis AC	770-018-9-001
	Banana Jack, Red	774-001-9-001
	Stand, Wire Form	804-005-9-001

NOTE: Standard value resistors 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.