

SCHEMATIC SYMBOL

DESCRIPTION

B & K-PRECISION PART NO.

MISCELLANEOUS (continued)

Insulator (for 15-turn pot R4).....	342-204-9-001
Thumbwheel (for 15-turn pot R4)....	381-204-9-001
Label, Battery Caution.....	483-362-9-001
4-40 Captive Screw (Rear Cover)....	634-050-9-001
#50 x 5/32 Nut, Special (For Power Jack).....	653-018-9-001
Test Input Strip Spring (4 Req.).....	769-098-9-001
Fuse Holder Insert.....	771-026-9-001
Test Jack Insert.....	771-027-9-001
Power Jack, 2-1/2 mm Phone.....	773-083-9-001
Stand, Wire Form.....	804-025-9-001

J1

PARTS ORDERING INFORMATION

There is a minimum charge for each invoice. Orders will be shipped C.O.D. unless previous open account arrangements have been made or remittance accompanies order. Advance remittance must cover handling, postage, or express charges. Specify model and serial number when ordering replacement parts.

ORDER REPLACEMENT PARTS FROM:

**B & K-Precision, Factory Service Department
MAXTEC INTERNATIONAL CORPORATION**

6470 West Cortland Street
Chicago, Illinois 60707
Tel (773) 889-1448



6470 W. Cortland St. • Chicago, IL 60707

© 1993 Maxtec International Corp.

Printed In USA

Crystal, 4 MHz.....	X-1	132-040-9-001
Fuse, 1A, 250 V, 3AG.....	F1	191-251-3-001
3-1/2 Digit Liquid Crystal Display.....	LCD	238-016-9-001
Inlay, Upper Front.....		260-231-9-001
Inlay, Lower Front.....		260-260-9-001
Case, Rear (Bottom).....		271-031-9-001
Case, Main (Black).....		271-067-9-001
Case, Front (Top).....		271-073-9-001
Insulator, Power Jack.....		342-030-9-001
Solder Shield, Slide Switch (1/Sw) ...		342-077-9-001
Foam Tape, Battery Pack (2-Required).....		344-024-9-001
Foot, 7/16" Dia.....		380-120-9-001
Wire Stand Pivot, Left Hand.....		380-313-9-001
Wire Stand Pivot, Right Hand.....		380-314-9-001
Window, Clear Plastic.....		380-363-9-001
20 Lead Jumper Cable.....		427-023-9-001

MISCELLANEOUS

Transformer, Switching.....	T101	064-019-9-001
LED, Red.....	D2-5	158-004-9-001
1A, 600 V Silicon Diode.....	104	151-050-9-001
D1, 101-.....		
2N5818 NPN Silicon Transistor.....	Q101-109	176-051-9-001
1N4148 Silicon Diode.....	D6, 7	151-038-9-001

TRANSFORMERS & SWITCHES

CA3130 Op-Amp.....	107	308-073-9-001
723C Voltage Regulator.....	IC106,	
IC102		307-009-9-001
LM358 Dual Op-Amp.....	IC101	307-134-9-001
4040B 12-Stage Binary Counter.....	IC25	308-301-9-001
4001B Quad 2-Input NOR Gate.....	IC24, 105	308-290-9-001

INTEGRATED CIRCUITS (continued)

SCHEMATIC SYMBOL DESCRIPTION PART NO. B & K-PRECISION

SCHEMATIC DIAGRAM AND PARTS LIST



MODEL 830

Autoranging CAPACITANCE METER

**PARTS LIST
488-255-9-002 J**

SCHEMATIC SYMBOL

DESCRIPTION

B & K PRECISION PART NO.

RESISTORS

Unlisted resistors are ±5%, 1/4 W.

R4	200 kΩ, ±20%, 15-Turn Pot.....	010-096-9-001
R108	12.1 kΩ, 1/4 W, ±1%, Metal Film.....	015-141-1-212
R109	8.06 kΩ, 1/4 W, ±1%, Metal Film.....	015-141-8-061
R111	2.5 kΩ, ±20%, Trimmer Pot.....	008-269-9-001
R123	2.4 MΩ, 1/2 W, ±1%, Metal Film.	011-169-9-001
R124	200 kΩ, Trimmer Pot.....	008-360-9-001
R126	2.37 kΩ, 1/4 W, ±1%, Metal Film.....	015-141-2-371
R127	250 Ω Trimmer Pot.....	008-229-9-001
R129	182 Ω, 1/4 W, ±1%, Metal Film.....	015-141-1-820
R130	100 Ω, ±20%, Trimmer Pot.....	008-343-9-001
R131	7.15 kΩ, 1/4 W, ±1%, Metal Film.....	015-141-7-151
R132	13.0 kΩ, 1/4 W, ±1%, Metal Film.....	015-141-1-302
R134	1.27 kΩ, 1/4 W, ±1%, Metal Film.....	015-141-1-271
R135	19.6 kΩ, 1/4 W, ±1%, Metal Film.....	015-141-1-962
R136	1.00 kΩ, 1/4 W, ±1%, Metal Film.....	015-141-1-001

COMPOSITE 499-184-9-001 J

IC23	4075B Triple 3-Input OR Gate.....	308-180-9-001
IC103	4071B Quad 2-Input OR Gate.....	308-178-9-001
IC20-22,	4072B Dual 4-Input OR Gate.....	308-179-9-001
IC17	W/Decoded Outputs.....	308-116-9-001
IC16	4017B Decade Counter	
IC15	4081B Quad 2-Input AND Gate.....	308-117-9-001
IC14	4049B Hex Inverter/Buffer.....	308-177-9-001
IC12, 13	4016B Quad Bi-Lateral Switch.....	308-355-9-001
IC8-11	4518 Dual Synchronous Counter.....	308-146-9-001
IC6, 7, 18	4013B Dual D Flip-Flop.....	308-377-9-001
IC2-4	Latch/Decoder/Driver.....	308-182-9-001
IC1, 5	4543B BCD 7-Segment Exclusive OR Gate.....	308-430-9-001
	4030B Quad 2-Input INTEGRATED CIRCUITS	
IC18	62 pF ±5%, 100 V, NP0 Ceramic.....	031-048-9-001
IC17	47 pF ±20%, 10 V, Electrolytic.....	036-001-9-019
IC14	25 pF, 500 V, ±5% Disc Ceramic.....	020-064-9-001
IC13	10 pF, 500 V, ±5% NP0 Ceramic.....	031-004-9-001
IC10	0.0022 μF, 100 V, ±5% Polyester.....	025-159-9-001
IC08	47 pF, 6.3 V, ±20% Tantalum.....	027-013-9-001
IC05	220 pF, 25 V, P.C. Electrolytic.....	022-083-9-001
IC04	100 pF, 500 V, ±10% Disc Ceramic.....	020-044-9-001
IC07, 112	Disc Ceramic.....	020-101-9-001
IC01, 102	0.01 μF, 100 V, ±80/-20%	
IC6, 103	10 pF, 16 V, ±20% Tantalum.....	027-030-9-001
IC4	20 pF, 500 V, ±5%, NP0 Ceramic.....	031-039-9-001
IC11, 115	470 pF, 500 V, ±10% Disc Ceramic.....	020-071-9-001
IC3, 109	Disc Ceramic.....	020-139-9-001
IC5, 116	0.01 μF, 25 V, ±10% Pin Lead	

SCHEMATIC SYMBOL DESCRIPTION PART NO. B & K-PRECISION