

**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

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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**

Slide Switch, DPDT (PC Mount).....	SI. 2	084-091-9-001
Transformer, Switching.....	T101	064-019-9-001

**TRANSFORMERS & SWITCHES**

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

**TRANSISTORS & DIODES**

CA3130 Op-Amp.....	107	308-073-9-001
IC106, 723C Voltage Regulator.....	IC106	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)**

<b>SCHEMATIC SYMBOL</b>	<b>DESCRIPTION</b>	<b>PART NO.</b>
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**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  $\pm 5\%$ , 1/4 W.

R4	200 k $\Omega$ , $\pm 20\%$ , 15-Turn Pot.....	010-096-9-001
R108	12.1 k $\Omega$ , 1/4 W, $\pm 1\%$ , Metal Film.....	015-141-1-212
R109	8.06 k $\Omega$ , 1/4 W, $\pm 1\%$ , Metal Film.....	015-141-8-061
R111	2.5 k $\Omega$ , $\pm 20\%$ , Trimmer Pot.....	008-269-9-001
R123	2.4 M $\Omega$ , 1/2 W, $\pm 1\%$ , Metal Film.....	011-169-9-001
R124	200 k $\Omega$ , Trimmer Pot.....	008-360-9-001
R126	2.37 k $\Omega$ , 1/4 W, $\pm 1\%$ , Metal Film.....	015-141-2-371
R127	250 $\Omega$ Trimmer Pot.....	008-229-9-001
R129	182 $\Omega$ , 1/4 W, $\pm 1\%$ , Metal Film.....	015-141-1-820
R130	100 $\Omega$ , $\pm 20\%$ , Trimmer Pot.....	008-343-9-001
R131	7.15 k $\Omega$ , 1/4 W, $\pm 1\%$ , Metal Film.....	015-141-7-151
R132	13.0 k $\Omega$ , 1/4 W, $\pm 1\%$ , Metal Film.....	015-141-1-302
R134	1.27 k $\Omega$ , 1/4 W, $\pm 1\%$ , Metal Film.....	015-141-1-271
R135	19.6 k $\Omega$ , 1/4 W, $\pm 1\%$ , Metal Film.....	015-141-1-962
R136	1.00 k $\Omega$ , 1/4 W, $\pm 1\%$ , 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, IC17	4072B Dual 4-Input OR Gate.....	308-179-9-001
IC16	W/Decoded Outputs.....	308-116-9-001
IC15	4017B Decade Counter	
IC14	4081B Quad 2-Input AND Gate.....	308-117-9-001
IC12, 13	4049B Hex Inverter/Buffer.....	308-177-9-001
IC8-11	4016B Quad Bi-Lateral Switch.....	308-355-9-001
19, 104	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 $\pm 5\%$ , 100 V, NP0 Ceramic.....	031-048-9-001
IC17	47 pF $\pm 20\%$ , 10 V, Electrolytic.....	036-001-9-019
IC14	25 pF, 500 V, $\pm 5\%$ Disc Ceramic.....	020-064-9-001
IC13	10 pF, 500 V, $\pm 5\%$ NP0 Ceramic.....	031-004-9-001
IC10	0.0022 $\mu$ F, 100 V, $\pm 5\%$ Polyester.....	025-159-9-001
IC08	47 pF, 6.3 V, $\pm 20\%$ Tantalum.....	027-013-9-001
IC05	220 pF, 25 V, P.C. Electrolytic.....	022-083-9-001
IC04	100 pF, 500 V, $\pm 10\%$ Disc Ceramic.....	020-044-9-001
IC07, 112	Disc Ceramic.....	020-101-9-001
IC06, 106	0.01 $\mu$ F, 100 V, $\pm 80\%$ -20 %	
IC101, 102	10 pF, 16 V, $\pm 20\%$ Tantalum.....	027-030-9-001
IC6, 103	20 pF, 500 V, $\pm 5\%$ , NP0 Ceramic.....	031-039-9-001
IC4	470 pF, 500 V, $\pm 10\%$ Disc Ceramic.....	020-071-9-001
IC11, 115	Disc Ceramic.....	020-139-9-001
IC3, 109	0.01 $\mu$ F, 25 V, $\pm 10\%$ Pin Lead	

**CAPACITORS**

<b>SCHEMATIC SYMBOL</b>	<b>DESCRIPTION</b>	<b>PART NO.</b>
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