

## Parts List for 4/30/90 hz Blood Electrifier

| qty | Part                     | www.mouser.com #  | cost.each | Substitute Part      |        |
|-----|--------------------------|-------------------|-----------|----------------------|--------|
| 1   | project box              | 400-1561-GR       | \$4.09    |                      |        |
| 1   | DPDT switch              | 1MD1T2B3M1QE-EVX  | 2.55      |                      |        |
| 1   | SPDT switch              | 1055-TA1130-EVX   | 2.06      |                      |        |
| 1   | SPDT-CO switch           | 1055-TA1135-EVX   | 2.20      | M. 629-CRS2013A26    | \$1.97 |
| 1   | 8 pin IC socket          | 571-1825093-2     | .54       | DK AE8908-ND         | .10    |
| 1   | 6 pin IC socket          | 571-1-390261-1    | .15       | DK AE8906-ND         | .17    |
| 1   | 1M resistor              | 30BJ250-1.0M      | .29       |                      |        |
| 2   | 130K resistor            | 30BJ250-130K      | .22       |                      |        |
| 1   | 110K resistor            | 30BJ250-110K      | .22       |                      |        |
| 1   | 100K resistor            | 30BJ250-100K      | .22       |                      |        |
| 1   | 30K resistor             | 30BJ250-30K       | .22       |                      |        |
| 1   | 10K resistor             | 30BJ250-10K       | .22       |                      |        |
| 1   | 6.8K resistor            | 30BJ250-6.8K      | .22       |                      |        |
| 1   | 1K resistor              | 30BJ250-1.0K      | .22       |                      |        |
| 1   | 100ohm resistor          | 30BJ250-100       | .22       |                      |        |
| 2   | alligator clips          | 548-30            | .24       |                      |        |
| 2   | alligator clip insulator | 548-32-2          | .18       |                      |        |
| 1   | button switch            | 612-RP3502A-RED   | 2.16      |                      |        |
| 4   | battery clip             | 121-0624/I-GR     | .38       | DK 2239K-ND          | 2.00   |
| 4   | 9v battery               | 573-1604A         | 1.90      | M. 639-HD-9V         | .74    |
| 1   | pot knob                 | 450-2070-GRX      | .99       | M. 450-2034          | .73    |
| 1   | 5209 NPN transistor      | 610-2N5209        | .43       |                      |        |
| 1   | 5.1v zener , 1W          | 512-1N4733A       | .08       | DK 2EZ5.1D5MSCT-ND   | .50    |
| 1   | red 2ma LED              | 78-TLLR5401       | .15       | DK L10011-ND         | 2.20   |
| 1   | 250K pot                 | 313-1000F-250K    | 1.38      | M. 31VA503           | 1.25   |
| 1   | 100K mini pot            | 652-3396Z-1-104LF | 2.37      |                      |        |
| 1   | 50K mini pot, 1 turn     | 594-63X503        | 1.63      | M. 652-3386X-1-503LF | 1.60   |
| 1   | 25K mini pot, 1 turn     | 594-63X253        | 1.63      | M. 652-3386X-1-253LF | 1.60   |
| 1   | 4.7uf bipolar cap        | 140-NPAL50V4.7-RC | .48       |                      |        |
|     | (substitute www.cir.com  | ME193-A50V4.7     | \$ .42)   |                      |        |
| 1"  | 1/16" shrink tubing      | 5174-11162        | 1.07      | DK FP116B-X-ND 5/'   | 1.81   |
| 2"  | 3/32" shrink tubing      | 5174-13326        | 1.15      | DK FP332Y-X-ND 5/'   | 1.92   |
| 4   | rubber feet              | 517-SJ-5003-BK    | .13       |                      |        |

### Colloidal Silver Maker Add-On Parts

|   |                                |              |       |                                |  |
|---|--------------------------------|--------------|-------|--------------------------------|--|
| 1 | 3.5mm female jack              | 16PJ137      | .29   |                                |  |
| 1 | 3.5mm male plug                | 17PP103      | .73   |                                |  |
| 1 | 1K resistor                    | 30BJ250-1.0K | .22   |                                |  |
| 1 | dual banana jack (Radio Shack) | 274-717      | 3.99  |                                |  |
| 1 | colloidal silver electrodes    | 99.9% pure   | 16.00 | www.elixa.com/silver/CS300.htm |  |

| qty | part                 | www.digikey.com |       |                    |     |
|-----|----------------------|-----------------|-------|--------------------|-----|
| 1   | optoisolator IC      | PS2565-1A-ND    | \$.69 | M. 551-PS2565-1    | .65 |
| 1   | 442 IC               | LF442CN-ND      | 1.76  |                    |     |
| 2   | 22v zener diode, _ W | 1N5251BDICT-ND  | .46   | M. 583-1N4748A-B   | .09 |
| 1   | bipolar LED          | P11591CT-ND     | 1.00  |                    |     |
| 1   | 47uf/35v capacitor   | P5550-ND        | .19   | M. 75-515D35V47    | .11 |
| 1   | .22uf capacitor (10) | 3015PH-ND       | 2.19  | M. 581-220NK63     | .30 |
| 1'  | 24ga single wire     | C2015Y-100-ND   | 16.18 | M. 602-3050-100-04 | .08 |

| qty | part                       | Radio Shack |        |  |  |
|-----|----------------------------|-------------|--------|--|--|
| .5  | PC Board                   | 276-150     | \$1.99 |  |  |
| 5'  | 22 awg speaker wire (100') | 278-1385    | \$9.99 |  |  |