

Updated parts list for Photoelectric Effect Apparatus designed by Wayne Garver with modifications by Steve Wonnell. 7/31/2014

Index	Quantity	Vendor	Part Number	Description	Price
	1	1 Digi-Key	377-1219-ND	CU-3284 Bud Industries Box ABS 7.61x4.61x2.36" BLK	\$9.75
		1 various (See below)	1P39 or 929	Phototube (price at right is weighted average price paid)	\$60.00
		1 Mouser	655-27E122	Relay Sockets & Hardware SMT 8P RELAY & SENS (Phototube Socket)	\$5.80
		1 Mouser	31VA303-F3	Potentiometers Linear 2.5K	\$1.55
		1 Mouser	108-MS550K	Toggle Switches TOGGLE MDGT SPST SLV	\$2.10
		2 Mouser	530-108-0902-1	Test Plugs & Test Jacks BANANA JACK RED	\$0.49
		2 Mouser	530-108-0903-1	Test Plugs & Test Jacks BANANA JACK BLACK BU-31602-	\$0.49
		1 Mouser	45KN026-GRX	Knobs & Dials BLACK .78"D X .63"H	\$1.08
		1 Mouser	12BH242-GR	Cylindrical Battery Contacts, Clips, Holders & Springs 4	\$1.29
		1 Mouser	611-A11003RNZQE	Rotary Switches Rotary	\$6.91
		1 Mouser	611-A20503RNZQK	Rotary Switches Rotary	\$8.00
		2 Mouser	450-1171-GRX	Knobs & Dials .93D X .56H DELTA MK	\$1.03
		1 Mouser	660-MF1/4DCT52R7500F	Metal Film Resistors - Through Hole 1/4W 750 ohm 1%	\$0.06
		1 Mouser	271-360-RC	Metal Film Resistors - Through Hole 360ohms 1% 50PPM	\$0.09
		1 Mouser	660-MF1/4DC2200F	Metal Film Resistors - Through Hole 220ohm 1% 100PPM	\$0.06
		1 Mouser	71-RN60D-F-150	Metal Film Resistors - Through Hole 1/4watt 150ohms 1%	\$0.11
		1 Mouser	123-5118-GR	9V Battery Snaps & Contacts BATT SNAP T-8	\$0.44
		1 Mouser	660-MF1/4D52R1003F	Metal Film Resistors - Through Hole 100Kohms 1%	\$0.06
		1 Mouser	660-MF1/4DCT52A1002F	Metal Film Resistors - Through Hole 1/4 WATT 10K OHM 1%	\$0.06
		1 SuperBrightLEDs.com	RL5-B4630	5mm Blue LED - RL5-B4630:Blue LED	\$0.72
		1 SuperBrightLEDs.com	RL5-G8020	5mm Green LED - RL5-G8020:Green 20 Degree 8000 mcd	\$0.54
		1 SuperBrightLEDs.com	RL5-A9018	5mm Aqua LED - RL5-A9018:Aqua LED	\$0.54
		1 SuperBrightLEDs.com	RL5-R5015	5mm Red LED - RL5-R5015:Red LED	\$0.24
		1 SuperBrightLEDs.com	RL5-Y5615	5mm Yellow LED - RL5-Y5615:Yellow LED	\$0.24
		1 SuperBrightLEDs.com	RL5-O5015	5mm Orange LED - RL5-O5015:Orange LED	\$0.24
		1 SuperBrightLEDs.com	RL5-V1015	5mm Violet LED - RL5-V1015:Violet LED	\$1.39
		1 SuperBrightLEDs.com	RL5-UV0430-400	5mm UV LED - RL5-UV0430-400:UV LED	\$0.99
		1 SuperBrightLEDs.com	RL5-UV0230-380	5mm UV LED - RL5-UV0230-380:UV LED	\$0.67
		1 SuperBrightLEDs.com	BC-5	Mounting Bezel and Ring for 5mm LEDs - BC-5:5mm	\$0.22
SUBTOTAL					\$105.16

The Following parts are also needed, but may already be on hand.

1 McMaster-Carr	7126K17	Thin-Wall Steel Conduit (EMT), 2-1/2 Trade Size, 2.73" ID, 2.88" OD, 5' lengt	\$27.90
1 Mouser	602-3051-100-03	Hook-up Wire 22AWG 7/30 PVC 100ft SPOOL RED	\$25.74
1 Mouser	602-3051-100-02	Hook-up Wire 22AWG 7/30 PVC 100ft SPOOL BLACK	\$25.74
1 Digi-Key	A116B-4-ND	HEATSHRINK 1/16 IN X 4FT BLACK	\$0.63
1 Digi-Key	A018B-4-ND	HEATSHRINK 1/8 IN X 4FT BLACK	\$0.72
1 McMaster-Carr	91772A148	18-8 Stainless Steel Pan Head Phillips Machine Screw, 6-32 Thread, 1/2" Len	\$5.14
1 McMaster-Carr	91841A007	18-8 Stainless Steel Machine Screw Hex Nut, 6-32 Thread Size, 5/16" Width,	\$3.31
1 McMaster-Carr	92146A540	18-8 Stainless Steel Split Lock Washer, Number 6 Screw Size, .25" OD, .03" n	\$1.62

We found 1P39 and 929 tubes from the following vendors, with prices ranging from \$15 to \$120.

Findatube.com (tubemeister@findatube.com)
 The Tube Store (thetubestore.com)
 Radio Electric Supply (vacuumtubes.net)
 RF Parts Company (rfparts.com)
 The Tube Depot (tubedepot.com)
 USBid.com