

ICS 331 Lab Parts Kit

Vendor	Unit Cost*	Qty	Price	Description	Product No.	Part No.
Digi-Key	\$1.00	1	\$1.00	10-Segment Red LED Bargraph Display	MV57164-ND	MV57164-ND
Jameco	\$0.49	1	\$0.49	Precision Thermistor	271-110	207036
Jameco	\$3.69	1	\$3.69	IC,EPROM,2764A-25,Vp:12.5V	2764A-25	40248
Jameco	\$0.27	2	\$0.54	Quad 2-input NAND gate	74LS00	46252
Jameco	\$0.25	3	\$0.75	Quad 2-input NOR gate	74LS02	46287
Jameco	\$0.31	3	\$0.93	Quad 2-input AND gate	74LS08	46375
Jameco	\$0.30	2	\$0.60	Hex inverter Schmitt trigger	74LS14	46640
Jameco	\$0.85	1	\$0.85	Quad EXCLUSIVE-OR gate	74LS86	50665
Jameco	\$0.51	2	\$1.02	Dual JK flip-flop with clear	74LS107	46412
Jameco	\$0.35	1	\$0.35	3 to 8 decoder/demultiplexer	74LS138	46607
Jameco	\$0.39	1	\$0.39	Octal D flip-flop tri-state	74LS373	47600
Jameco	\$0.44	3	\$1.32	Up/down binary counter	74LS191	47001
Jameco	\$1.09	2	\$2.18	SWITCH,TOG,SPDT,ON-ON(M148PC)	MTS-102-A4	71597
Jameco	\$0.80	1	\$0.80	SWITCH,DIP,SPST,8SWTH	DS-08-G-01-B	38842
Jameco	\$12.28	1	\$12.28	BREADBOARD,6.5x3.125 1360pnts	WBU-204-3	20757
Radio Shack	\$7.80	1	\$7.80	Wire Jumper Kit (unfortunately, the Hawaii price is more than contiguous US price)	276-173	19289
Jameco	\$0.21	5	\$1.04	DIODE SWITCH,1N914 (PKG OF 10 FOR \$0.60)	TAITRON	179207
Jameco	\$0.08	2	\$0.17	RESISTOR,1/4W 5%,47K OHM (Pkg of 100 for .99)	R47K/100	31149
Jameco	\$0.08	2	\$0.17	RESISTOR,1/4W 5%,5.1K OHM (Pkg of 100 for .99)	5.1K/100	31237
Jameco	\$0.32	2	\$0.64	7805 5 volt voltage regulator (TO-220 case)	7805T	51262
Jameco	\$0.15	2	\$0.31	CAP,RADIAL,470uF,35V,20% (PKG OF 10 FOR \$1.53)	R470/35	93817
Jameco	\$0.22	1	\$0.22	BAT CLIP,FOR 9 VOLT	A104	11279
Jameco	\$0.23	1	\$0.23	BAT HOLDER,CLIP 9VDC	GBH-1009	105793
Jameco	\$0.19	5	\$0.95	LED,RED,RED DIF,T1,697nm 2.3Vf@20mA,4.5mcd@10m (PKG OF 10 FOR \$1.90)	LH2040	94529
Jameco	\$0.19	2	\$0.38	RESISTR NET,10PIN,330 OHM,2%	10BRN330	97851
Jameco	\$0.19	2	\$0.38	RESISTR NET,10PIN,10K OHM,2%	10BRN10K	24643
Jameco	\$27.00	1	\$27.00	KIT,BS2-OEM (normally \$45, web sale price is \$30 - 10% volume discount)	183071	27291
Jameco	\$17.95	1	\$17.95	RBT,SERVO MOTOR & GEAR	14500	157067
Jameco	\$1.75	1	\$1.75	IC,CONV/CNTRL,ADC0831CCN	ADC0831CCN	116100
Digi-Key	\$0.25	2	\$0.50	PHOTOCELL 10K-100K OHM 4.20MM	PDV-P9007	PDV-P9007-ND
Jameco	\$1.23	1	\$1.23	CMOS quad operational amp	LMC660CN	143976
Jameco	\$4.49	1	\$4.49	CABLE,MONITOR EXT,BEIGE,6'	10D1-03206	25700
Digi-Key	\$1.42	1	\$1.42	9V alkaline battery	Panasonic 6AM-6PIX/1S	P145-ND
			\$5.62	Shipping		
TOTAL			\$99.43			

* includes volume discount

Vendor	Website
Radio Shack	http://www.radioshack.com/
Jameco	http://www.jameco.com/
Parallax	http://www.parallax.com
DigiKey	http://www.digikey.com/