

APGAR V1.0 Final Unit Costs.

<u>Item</u> <u>off cost</u>	<u>50 off cost</u>	<u>100</u>
Duracell Procell "AA" battery	2.10	1.964
BE60 "AA" battery holder	2.976	2.79
VI421-DP4.0-RC-12 LCD display	7.29	7.29
Assembled PCB	31.00	31.00
Keypad membrane	12.08	7.93
Metalwork	23.985	21.029
Metalwork machining and painting		
Camera mount	0.894	0.894
Back plate	5.72	
Horizontal clamp	6.00	6.00
2 x ¼ UNC x ½" screws		
2 x Clamp screws	0.17	0.17
Black clamp knob	<u>4.00</u>	
In-house assembly cost	10.00	10.00
APGAR Timer User Instructions		
Packaging		
Totals:	<u>96.495</u>	89.067

P. Anderson
4th February 2005

15 17 - \$26
\$48

Unit Costs.

<u>Item</u>	<u>1 off cost</u>	<u>100 off cost</u>
Duracell Procell PP3 battery	1.87	1.72
PP3 battery connector	0.238	0.195
VI415- DPRC LCD display	8.20	5.38
PIC16LC925-I/L micro-controller	5.54	3.54
32kHz crystal	1.12	0.52
4MHz resonator	0.73	0.39
LP2980IM5-3.3 regulator	0.59	0.30
SFM-1740 piezo buzzer	1.13	0.79
7 off 0.1W/0.125W 1% resistors	0.172	0.172
200K ohm potentiometer	0.72	0.50
10uF 6V3 tantalum capacitor	0.23	0.16
0.1uF ceramic capacitors	0.064	0.049
0.47uF ceramic capacitors	0.151	0.116
33pF ceramic capacitors	0.031	0.024
22pF ceramic capacitors	0.03	0.023
BAT754 diode	0.082	0.038
Keypad membrane		6.81
FFC membrane connector	0.40	0.366
Plastic box		
PCB		3.60 (50)
Assembly costs		
Totals:	21.30	24.69