Hardware Specification.

Display

Display type:	LCD.
Reflective/transflective:	Reflective.
Backlit:	No.
Number of digits:	4.
Separator for Mins/Secs:	Colon.
Digit height:	25.4mm.
On-board driver:	No.

Processor

Type:	ST7 Flite15.
Software resilience:	On-board hardware watchdog timer.
Error checking included:	Yes.

Case

Type:	Alubos 1300 aluminium extrusion.
Colour:	White.
Display lead-out tail cut-out:	Yes.
Accepts keypad:	Yes.
Battery compartment:	Yes.
Spare battery compartment:	No.
Rear mounted camera mounts:	2
EMC protected:	Yes, inherently in aluminium material

Timer mounting system

Adaptor plate with selected clamp screwed into the two camera mounts.
Alternative desk and shelf mounts may be produced.

Keypad

Type:	Membrane.
Base colour:	White
Number of keys:	3.
Key functions/legend:	

Key 1:	Start with triangle legend.
Key 2:	Freeze with snowflake legend.
Key 3:	Reset with "new line key" legend.

Key colours:

Key 1:	Green.
Key 2:	Blue.
Key 3:	Black

Sounder

Fitted:	Yes.
Type:	Low current piezo.

Battery

Type:	AA.
Low battery check:	Once a day.
Low battery indication:	Flashing message "Lo BAtt".
Battery life:	Greater than 12 months

Operating temperature

Range:	0 – 54 degrees C.

<u>Company legend on membrane</u>

Text: VIAMED plus logo.
                                             "APGAR TIMER".

<u>Labels</u>

Top: Operating instructions.
Bottom: Viamed details, model and serial numbers.

Peter Anderson

27th January 2004   Initial specification.
20th February 2004   Keypad details added.
1st March 2004   Maximum operating temperature specified by battery.
3rd June 2004   Battery type changed and spare battery compartment removed.
23rd August 2004   LCD character height changed to 25.4mm and processor type changed to ST7.
26th January 2005   Final specification.