

Questions about the FS9952_LP1 and the proposed oximeter design.

- 1 Is there security of supply of this chip for, say, the next 10 years? Chips need to be supplied to Viamed for service repairs.
- 2 The chip can be software programmed (Section III User Development Function). Who will do this to our requirements, at what cost, using what development tools and who will own the firmware?
- 3 The chip must work in manual 200mV mode not auto-ranging mode. MEA0 – MEA4 and SELECT1 appear to do this, is this correct? The decimal point must not move as the signal level changes.
- 4 If a standard 3½ digit LCD is not used, the “mV” symbol must be suppressed.
- 5 The low battery symbol is required.
- 6 What height are the LCD digits – the current VN202 digits are 10mm high?
- 7 No backlight function is required.
- 8 What is the cost of the FS9952_LP1 plus LCD at 500 off, please?
- 9 How often will the Calibration pot, VR?, need resetting?
- 10 Should R12 be 10k Ohm and not 1k Ohm?
- 11 It is a requirement that the auto-OFF circuit can be disabled by a factory fitted link, giving two versions of the product - auto-OFF and non auto-OFF.
- 12 The 15-minute auto-OFF mode should be disabled by default. A one minute auto-OFF period is required.
- 13 The 74HC74 circuit doesn't appear to work – please see the attached drawing. An alternative design, using a 4013, is attached. This circuit can be switched ON/OFF by a momentary switch and will auto switch OFF after about 1 minute.
- 14 The instrument must not give negative readings.
- 15 Some CMOS inputs have been left floating – all CMOS inputs must be tied high or low.
- 16 Who owns the hardware design?
- 17 What prevents a competitor from being allowed to “badge engineer” the design in competition with Viamed's product?

