	Comment/Suggestion	Author	Response	Further questions	Include in design?
1	Work in F-stops	awty, larfe	It would be possible to design the unit to be used in either f-stops mode or direct time entry mode.	What should the minimum f-stop increment be? RH Designs Analyser pro works in	Yes
2	Footswitch	awty, mmerig, Mick Fagan	Addition of a footswitch is straightforward. Proposed to use same footswitch and connection interface is is currently supplied with the temperature-compensating developing timer.		Yes
3	Programme feature, to put in memory successive steps etc. 30 steps suggested (RH use 10)	larfe	Not clear what is intended here. What are these successive steps that should be programmed? RH Designs Analyser Pro does not provide the means to programme steps. It IS perfectly possible in principle to provide a programming facility with the data stored in non-volatile memory, with		Yes
4	Multiple channels (10 or 20)	larfe	"Channels" not understood.	Please clarify meaning of "channels".	?
5	Densitometer a gimmick	larfe		Is the greyscale feature on the RH designs useful?	?
6	Sensor unit - RH designs too thick and a bit fragile	mmerig	The sensor itself could be made as little as 1/8 inch (3mm) thick.		Yes
7	1 second increments too course - 0.1 seconds instead	mmerig, Mick Fagan	Noted. 0.1 second increments easily acheivable.		Yes
8	3 point print intensity barely enough - note 15 on RH unit	mmerig	For clarification - the RH designs unit has a 15-segment greyscale display. The current concept proposal for the DLG unit is for a 32-segment greyscale. The proposed 3-point print intensity was the ability to display up to three points on the 32-segment greyscale display simultaneously. This could be more than three, if that is considered useful.		?
9	00 grade required on paper grade control	mmerig	Agreed, will include 00 grade.		Yes
10	half-point scale markings on paper grade knob	mmerig	Agreed, will include half-point scale on paper grade knob. Note that the knob in the current concept is intended to be a multi-position switch rather than a continuously variable control, although	Should the grade knob be continuously variable or discrete switch positions for each grade and half grade?	Yes

	Comment/Suggestion	Author	Response	Further questions	Include in design?
11	Calibration should include exposure and contrast	mmerig	Yes, this can be done. Considering offering the possibility to do a optionally a simple calibration of exposure, or a full (and more complex) calibration for the		Yes
12	ability to store several paper types in calibration	mmerig	RH Analyser Pro provides for eight paper types. More could be provided if useful (plenty of memory in modern electronics, no practical upper limit on the number of paper types that could be		Yes
13	A Second footswitch, hold to keep enlarger lamp on (focussing requirement)	Mick Fagan	Yes. Could provide various footswitch functions in fact. Each footswitch provided will of course add to the cost - it would be possible to provide with one footswtch (which could be connected to any desired function) with additional		Yes
14	Electrical inputs on bottom	Mick Fagan	Yes, agreed, this would be better.		Yes
15	500W lamp with 230 V - hence 3A connector/fusing sufficient	Mick Fagan	If we need a 500W lamp then 3A I've proposed is not enough for the US market on 110VAC - increase to 5A min.		Yes
16	light angle fall off needs to be catered for in the sensor unit	Mick Fagan	I assume this is the cosine effect, rather than lens vignetting. The current sensor type proposed (a plane photodiode) will avoid this problem.		Yes
17	Compensation feature not very useful to most people	Mick Fagan	If this is no use to anybody we'll delete it, otherwise we'll make it optional (sensor will be a seperate plug-in sensor - with the sensor unplugged the feature is disabled. If you don't want or need the function just don't plug in the sensor).		Yes
18	Use metric units!	Mick Fagan	Will give metric and imperial units.		Yes
19	RH design limits each step to 30x1/12 stop - too limiting for long burns?	larfe	I assume this means that you want more than thirty x 1/12 stop, like 60x 1/12 or more. If so, yes, this can be done.	Please confirm my understanding is correct.	Yes?
20	2 channels not enough. Provide 10 or 20.	larfe	Channels not understood - see Q4 above.		?
21	Introduce a "dodging" mode	larfe	need to understand what is needed and how it should work.	Any ideas on how this should work?	?

	Comment/Suggestion	Author	Response	Further questions	Include in design?
22	RH max exposure time specified as 230s but realistically acheives 180s	larfe	Was expecting to provide 10 min (600s) (actually 9:59), to use 3-digit display. Limiting factor may be low light performance of the photodiode. We will carry out some tests on the limits of performance with high sensitivity photodiode and good front-end analogue design. We've had good results with our large format exposure meter design (see our website), which quite	I'd be interested to hear from people who use exceptionally long exposure times - just how much time do you need? Likewise, anyone who uses exceptionally short exposure times - is a 0.1 second resolution enough for all envisaged use?	Yes
23	RH design has too many bugs!	larfe	DLG Electronics don't do bugs, haha! Good point though, as the design becomes more complex there is more opportunity for bugs to get in the design and remain undetected. Will provide a couple of prototype units to keen users		Yes
24	Downloadable software upgrades (as opposed to having to cough up for a new chip when software upgrade is required).	larfe	Chip replacement is undesirable anyway (to be replaceable, chip needs to be socketed rather than soldered, which can give reliability issues. A unit of this complexity should not need firmware updates if adequately designed and tested and our intent is that the firmware will be a "finished" and bug-free design when first production units are supplied.		Maybe