

SOLAR ULTRAVIOLET RADIATION AMONG OPENCAST MINERS WITH THE USE OF ELECTRONIC DOSIMETERS: A FEASIBILITY STUDY

Supplement 1

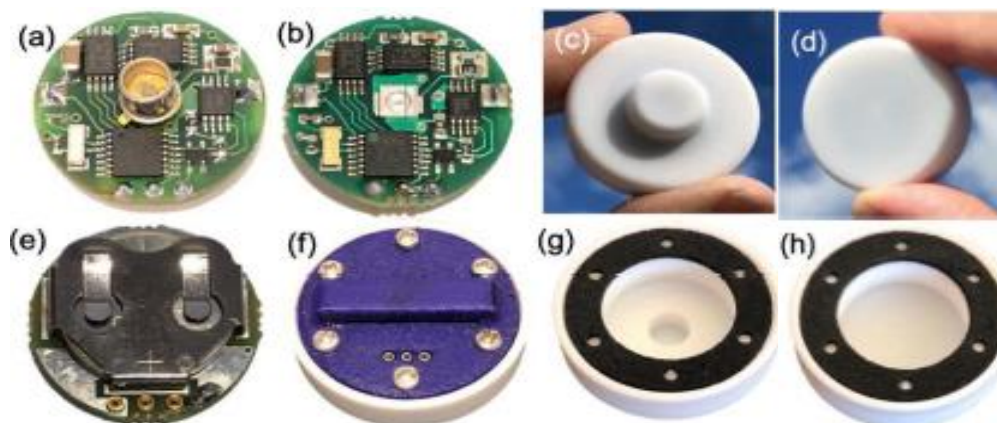


Figure 1. Electronic ultraviolet dosimeter construction: printed circuit board (pcb) incorporating (a) Type A and (b) Type B AlGaIn photodiodes; PTFE diffuser caps for the (c) Type A and (d) Type B dosimeters; (e) pcb backside showing the CR1632 lithium-ion battery and holder, (f) nylon backing plate showing the 3-pin micro data port, inside of the (g) Type A and (h) Type B diffuser caps with neoprene gaskets.

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