



Test Reports & Design Calculations

The original design was for use in hospitals as a spot check or non alarmed monitoring system for low level areas using high concentrations of Oxygen.

For commercial reasons it has not yet been released as the TED202 and instead has been improved to be used in the diving environment.

It is still intended to release this product or its derivative as a medical monitor in the future.

The design uses basic electronic circuitry

- 1) An auto switch off battery saver is employed which can be factory disabled if required.
- 2) The on/off button is changed to Green.
- 2) A simple gain of 3 high impedance operational amplifier feeds the output of a fuel cell Oxygen sensor (105mV in Air 50mv in 100% Oxygen) into a standard off the shelf D.P.M.
- 3) The instrument has been tested in the field in the most rugged conditions possible Caves, mountains and Boats.