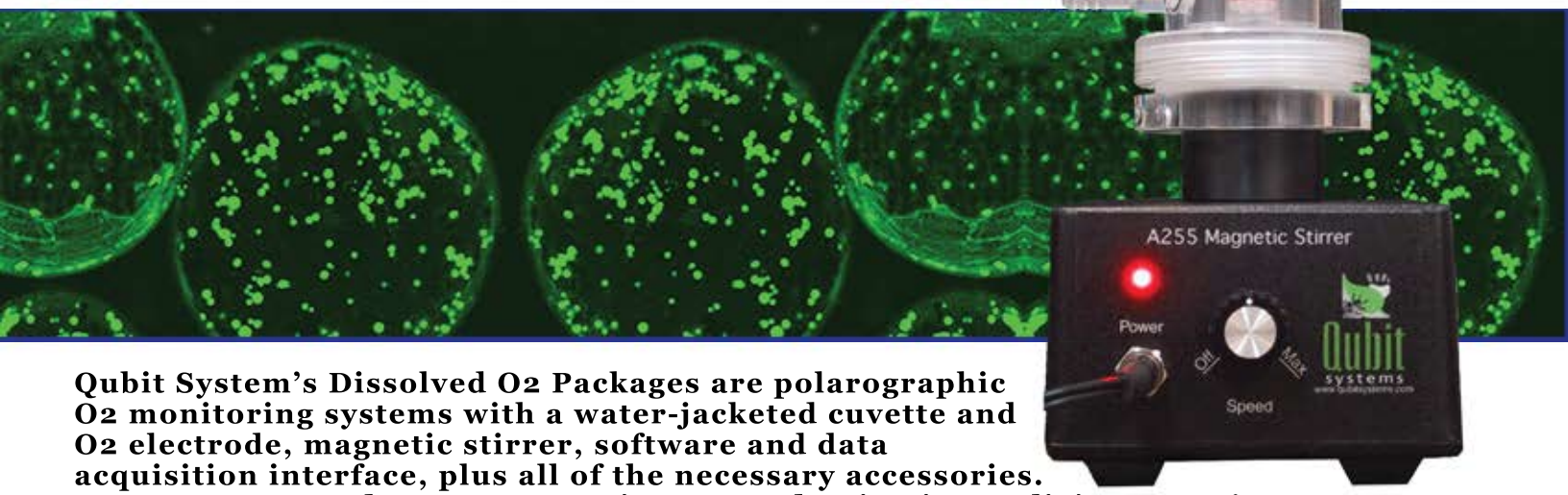
# OX1LP

## Dissolved O2 Packages

**Measure O2 consumption or production in any aqueous samples.**




**Qubit System's Dissolved O2 Packages are polarographic O2 monitoring systems with a water-jacketed cuvette and O2 electrode, magnetic stirrer, software and data acquisition interface, plus all of the necessary accessories. Use OX1LP to study O2 consumption or production in any living organisms suspended in an aqueous medium or isolated organells such as mitochondria and chloroplast. One can also monitor chemical and biochemical reactions that either produce or consume O2 in the aqueous phase. Different sizes of cuvettes are available (1, 4, 6, 30 and 50ml). Packages also come with manuals for the instructor and the student.**

### Key Features:

- 0.01% to 100% O2 range
- water-jacketed cuvette allows temperature control
- optional thermistor (S172) for temperature measurements
- easy 2 point calibration (linear response)

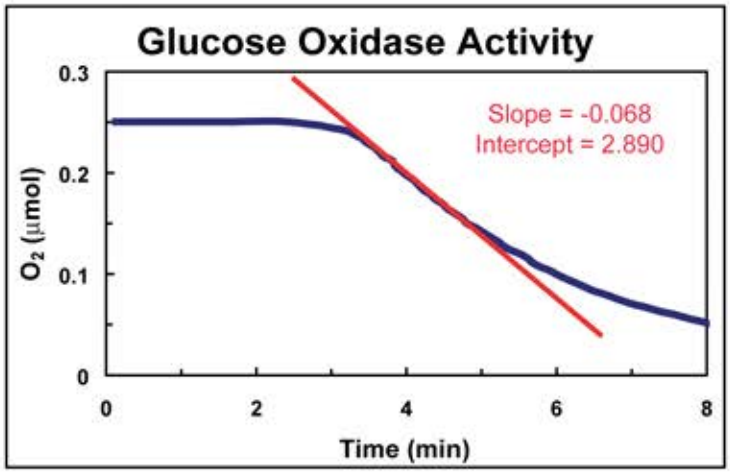
### *Software:*

LoggerPro Data acquisition software (C901) including custom set up files collect and stores the data, provides real-time graphing and analysis (included in every package with LabPro (C410) Data Aqcuisition Interface.

### Applications:

- photosynthesis measurements in algal and plant cell cultures or isolated chloroplasts
- respiration measurements of aquatic animals, bacteria and mitochondria
- biochemical reactions of enzymes

Experimental data of O2 consumption rate of Glucose Oxidase obtaines with OX1LP




### Sample References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- Mosher CM et al. (2008) Biochemistry 47:11725-11734
- Bryce A et al. (2008) Developmental Dynamics 237:1789-1798
- Johnson EA (2008) Photosynth. Res 96:153-162



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