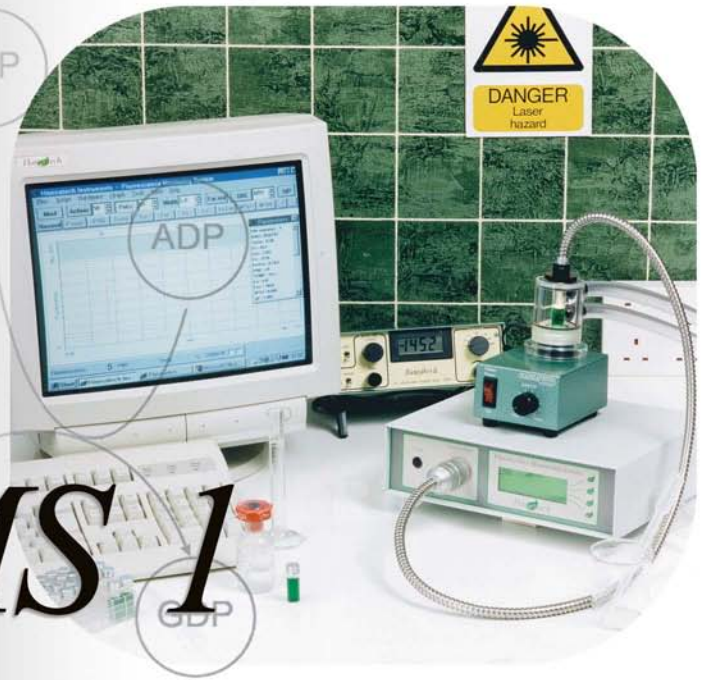

FMS1

"The FMS1 is a pulse modulated chlorophyll fluorimeter with mains power supply for laboratory/near field use. It is suitable for non-invasive sampling under natural light conditions & may be interfaced with our range of oxygen electrode chambers for simultaneous oxygen measurements."

- Pulse-modulated system.
- Integral LED & tungsten-halogen light sources.
- External device control interface.
- Programmable by Hansatech Scripting Language (HSL).
- Optional leaf-clip with integral PAR/temperature sensor.
- Fibre-optic for incorporation into O2 electrode units & IRGA.
- Windows® data acquisition & data analysis software.

Typical Applications:

Chlorophyll fluorescence in research & teaching.
Determination & maintenance of optimal photosynthetic conditions for stress free growth & screening for stress tolerance.
Early detection of environmental stresses & nutrient deficiency.
Screening for effect on photosynthesis & herbicide tolerance.
Studies of the effects of ozone, nitrogen oxides, sulphur oxides & environmental change on plants.
Studies of forest decline, senescence & environmental pollution.
Stress tolerance & adaptation, including studies in marine environments.

Options:

Can be supplied with FMS/LFO long fibre optic (1.5m) for coupling with other instruments. For example:
In conjunction with oxygen electrode chambers for simultaneous oxygen & fluorescence measurements with appropriate adapter.
Simultaneous fluorescence & IRGA measurements with CIRAS 1 & CIRAS 2 IRGA's from PP Systems Inc. (www.ppsystems.com).

FMS/PTL leafclip with PAR/temperature recording for measurements of broad leaves, needles etc.