

## **Oxford Cyberstar X1000**

The Cyberstar X1000 is currently the fast scintillation detector of choice in many of the world's synchrotron beamlines with about 200 installed in facilities including the ESRF and APS.

It employs a scintillation detector and integrated pulse processing unit with a maximum capacity of approximately 800,000 counts per second at 10keV for Thallium doped Sodium Iodide and faster with YAP heads.

### **Features:**

- Good energy resolution, Thallium activated NaI detector
- Interchangeable heads, plug in connections, no set-up required
- Light tight with 'O' ring seals and  $\mu$ -metal shielding
- Low background noise, below 0.2 cps at 5keV (NaI (TI))
- Network compatible detector system connection via standard RS232 interface
- Where the statistical accuracy of photon counting is important due to the relatively weak fluxes the energy resolution available with this kind of detector with an NaI(Tl) crystal means that much of the background scattering and/or harmonics can be discriminated out.

### **Cyberstar X1000** (shown with detectors)

