

## **STR Series Remote Raman Probe System**

While looking for a good Raman Spectrometer solution, one either finds a low cost low resolution ( $5\text{--}10\text{ cm}^{-1}/\text{pixel}$ ) portable Raman or a high cost high-resolution ( $0.3\text{--}2.0\text{ cm}^{-1}/\text{pixel}$ ) micro Raman Spectrometer. Our STR series Remote Raman Probe System brings an optimized low cost high-resolution micro Raman spectrometer.

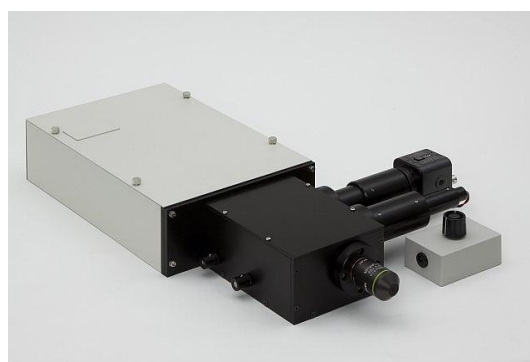
For the first time in the world, we introduce a cost effective High-Resolution Micro Raman Spectrometer that can be used not only as a stand-alone micro Raman Spectrometer but also as a remote probe Raman measurement system. Moreover and, most importantly, this system can be upgraded to any extent any time with various modules – optical microscope, multiple laser sources, etc.

### **Model: STR150RPM**

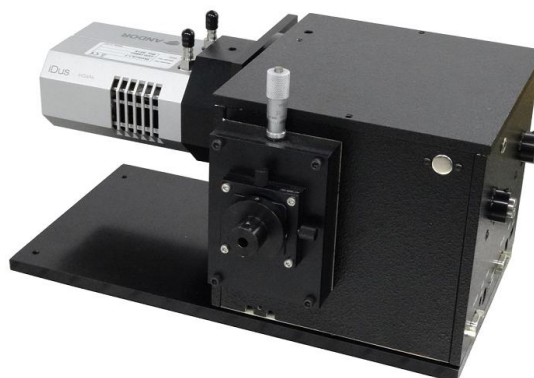
- Stand alone Micro Remote probe measurement for Raman, Photo Luminescence, and Optical Emission Spectroscopy
- High Spectral Resolution of  $1\text{ to }2\text{ cm}^{-1}/\text{pixel}$
- High Throughput ( $>70\%$ ) Photoluminescence/Raman Spectrograph
- High Performance Low Noise TE cooled ( $-60^{\circ}\text{C}$ ) CCD detector (Quantum Efficiency  $>50\%$ )
- Selectable Single or Multiple Lasers (Optional)
- Selectable Objective Lens
- Data Acquisition and Processing software (Optional)
- Sample monitoring CCD Camera (Optional)
- LED illumination (Optional)

### **Upgrade Options:**

- Attachable to
  - ❖ Optical Microscope
  - ❖ TEM/SEM/XRD
  - ❖ Heating/cooling stages, Cryostats etc.
- Motorized Stage for Confocal Mapping



**RPM-xx**



**STR150**

### **Applications:**

- In-situ chemical reaction monitoring
- Analysis of gases in hot/cold chamber
- Forensic science analysis
- Thin films
- Powdered samples, Polymer samples
- Biological Tissues, Blood samples etc.
- Pharmaceutical
- Minerals, Gemological samples
- Carbon nano materials



**532, 633, 785nm Lasers**