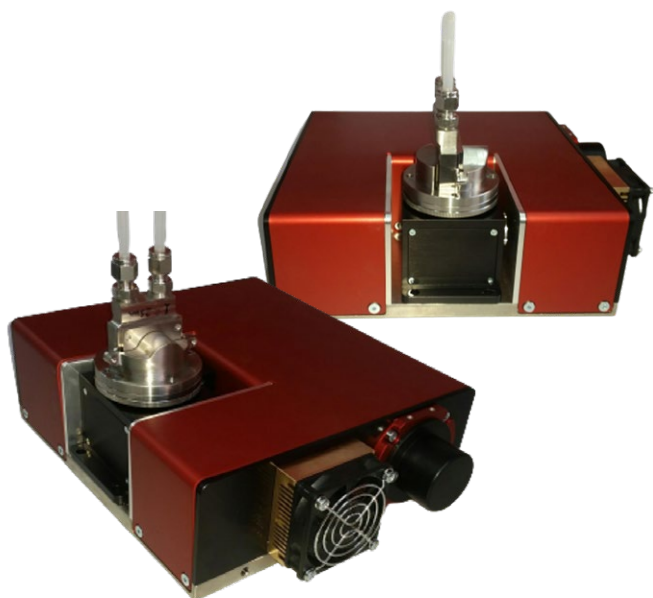




## IRGriffin Static FTIR (sFTIR)



### Product Description

The sFTIR spectrometer (IRGriffin) has been developed to be a solution for more demanding applications that require robustness, high speed and excellent spectral resolution and SNR. The performance of the static FTIR spectrometer compares well with many laboratory based FTIR spectrometers, but it is truly portable and does not require frequent calibration or maintenance. Like all our products the sFTIR does not contain any moving parts and is very well suited to be installed at process lines or out in the field.

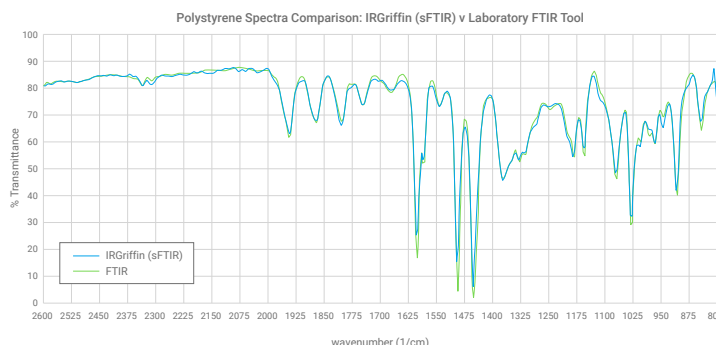
Key advantages over conventional FTIR such as vibration tolerance, low cost of ownership, low maintenance costs and very fast spectrum acquisition makes the sFTIR the system of choice for demanding process control and quality control applications. The sFTIR can be used to measure solid (ATR), liquid (flow cell) and gaseous (gas tube) sample and the configuration can be easily switched between different sample types. For process control application the sFTIR can be used in automation mode to carry out measurements at fixed intervals.

### Specifications

<b>Configurations:</b>	Transmission, ATR (also compatible with PIKE ATR), Open Path, Gas
<b>Spectral range:</b>	3.5um to 14.0 um
<b>Spectral resolution:</b>	4-10cm <sup>-1</sup>
<b>Measurement time:</b>	1Hz to 40Hz
<b>Operating temp:</b>	-10 - 60°C
<b>Power:</b>	12V DC, 50W
<b>Protection class:</b>	IP64
<b>Interface:</b>	USB3
<b>Size/Weight:</b>	220mm(L)*100m(D)*233mm(W) / 6kgs

### Performance

The plot below displays a spectrum comparison of the IRGriffin (sFTIR) versus a laboratory FTIR tool for polystyrene calibration card.



### Key Application Examples

#### Liquid Analysis:

- ▶ High speed medical analysis
- ▶ Real time process monitoring
- ▶ Measurement of fast-moving samples
- ▶ Liquid pumping systems

#### Gas Analysis:

- ▶ Shipping container degassing
- ▶ Multi-gas application (semiconductor OEM industry)
- ▶ Oil platform, Explosive detection

