

# Infrared Spectral Detector (ISD) for TGA-FTIR Evolved Gas Analysis

The Infrared Spectral Detector (ISD) from Simplex Scientific is a simple solution that can be used by thermal analysis specialists who may have little or no FTIR/spectroscopy experience. It is a complete solution which can be plugged directly into your thermogravimetric analyzer. Includes proprietary software that searches a database of over 3,000 spectra in a fraction of a second to provide real time identification of evolved gases.



Simplex Infrared Spectral Detector for TGA

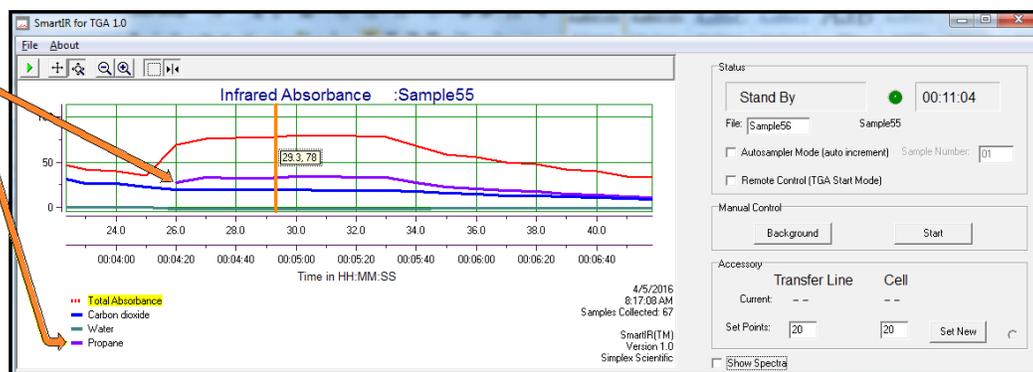
## Applications

- TGA-FTIR evolved gas analysis
- Ideal for analysis of polymers, chemicals, pharmaceuticals and others

## Features

- SmartIR™ Software for TGA
- Easy to operate with no setup
- Remote start - Run start and finish controlled by TGA
- Autosampler compatible
- Patented high performance 10 cm gas cell
- Heats up to 325°C, while only requiring 150 watts
- Very flexible and lightweight transfer line
- 90-240 VAC, 50/60Hz for worldwide use
- 3,000+ database of reference spectra
- SimLink™ compatible

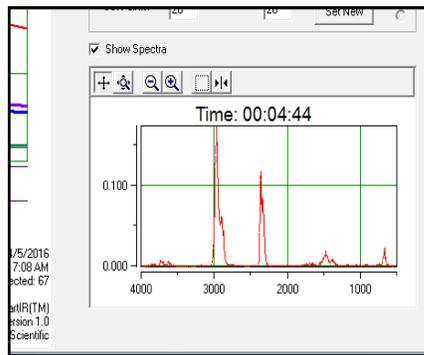
New Gas Detected (in real time)



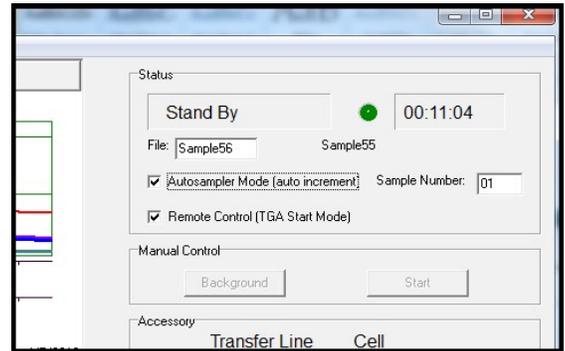
Displays the total infrared absorbance. Real time analysis adds new traces as gases are detected.



The ISD software controls and sets the temperatures for the gas cell and transferline, and also monitors the TGA for starting the collection and collecting multiple samples for unattended use with an autosampler.



Current infrared Spectrum can be displayed if desired.



Autosampler mode when used with the remote switch allows for multiple samples to be analyzed without operator interaction.



ISD back panel, Universal AC input auto switches voltage for use worldwide



Display showing temperature of Transferline and Cell

Product Configuration	Part Number	MSRP
Infrared Spectral Detector (ISD) for TGA-FTIR Evolved Gas Analysis	352A9001	\$24,500

**Specifications**

**Weight:** 16 Kg, 35 lbs  
**Dimensions:** 36cm x 30cm x 25 cm, 14"x12"x10"  
**Country of Origin:** USA  
**Delivery:** Stock to 6 weeks ARO  
**Warranty:** 1 year

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