

SphereOptics GmbH
Gewerbestrasse 13
82211 Herrsching

Press Release

Contact Marketing

Elke Marchthaler
Phone: +49 151 / 5026 9832
E-Mail: emarchthaler@sphereoptics.de

Contact Sales

Dr. Andreas Eisele
Phone: +49 8152 / 98378-90
E-Mail: aeisele@sphereoptics.de

May 31th, 2016

www.sphereoptics.de

New: In-situ FTIR measurements for non-destructive testing (NDT) of polymeric materials

SphereOptics presents the latest generation of portable Fourier Transform Infrared (FTIR) spectrometers from Agilent Technologies, the handheld **FTIR 4300** (spectral range: 4500 cm^{-1} – 650 cm^{-1} / 2222 nm – 15385 nm , spectral resolution: 4 cm^{-1} – 16 cm^{-1} , weight: 2.2 kg).

This handheld FTIR spectrometer is the ideal instrument to verify the identity of a polymeric material from its chemical structure by means of in-situ spectral IR measurements. This instrument allows you to determine the chemical composition of a particular polymer or polymer component to confirm that it meets its required use-specification. Furthermore, throughout FTIR spectroscopy you can measure the concentration of specific compounds contained in the polymer to ensure that it is within specification for physical performance or consumer safety purposes.

The handheld **FTIR 4300** assists you in a wide range of non-destructive testing (NDT) of polymeric materials, such as the analysis of plasma treated carbon fiber reinforced polymer (CFRP) composites or similar carbon or graphite fiber composites, which are widely used in commercial and military aerospace.

Please contact us directly for further information.



Handheld FTIR 4300 – for non-destructive testing (NDT) of polymeric materials

More Information:

<http://sphereoptics.de/en/new-in-situ-ftir-measurements-for-non-destructive-testing-ndt-of-polymeric-materials/>