

Press Release

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Portable Emission FTIR Spectrometer for Thermal Infrared (TIR) remote and proximal sensing applications

D&P Instruments' portable **FTIR spectrometer (Model 102)**, also known as the **micro FTIR** among the scientific community, is a passive-mode FTIR spectrometer, which measures the radiation emitted by the object itself. Thus, it serves as the ideal instrument for thermal infrared (TIR) remote sensing applications, where non-destructive testing is mandatory or where spectral field measurements (validation/calibration) have to comply with the requirements necessary for a quantitative comparison with emission spectra obtained via an air- or spaceborne TIR remote sensor. It's also the product of choice for gas detection and analyses, as the FTIR-technique allows for very high spectral resolution.

The compact and portable **micro FTIR** is ideally suited for outdoor use and incorporates a thermally stabilized interferometer, which is available with either a liquid nitrogen or a stirling cooled dual InSb/MCT detector. This passive mode FTIR spectrometer provides you with emission radiance spectra (which can be transformed to emissivity/temperature via TES) ranging from 2 μm to 16 μm with a spectral resolution of 4 cm^{-1} .

Please contact us directly for further information.



Compact and portable:
micro FTIR spectrometer (Model 102)

More information:
<http://sphereoptics.de/en/portable-emission-ftir-spectrometer-for-thermal-infrared-tir-remote-and-proximal-sensing-applications/>