



Number of uses of the handheld spectrometer

SERS-enhanced handheld Raman enables ultra-trace fentanyl detection on nanostructured substrates, supporting diluted test-strip workflows that reduce exposure risk during ...

Portable Near-Infrared (NIR) spectrometers are transforming how industries analyze materials on the go. These compact devices enable rapid, non-destructive testing across sectors like ...

Advances in optics, microelectronics, and computing have led to miniaturized spectroscopy, enabling real-time, field-ready analysis. Handheld devices now offer Raman, NIR, and ...

Equally, the use of Handheld Raman analyzers is not limited to police, customs and military use, but it can be extended to a large variety of applications such as food, agriculture, fuels, and materials.

Handheld Raman spectrometers allow non-destructive analysis and are able to scan through packaging, which streamlines the process while also protecting operators from the risk of ...

Handheld Raman spectrometers are being used more frequently as knowledge of their applications and versatility grows. Further examples of their current uses are listed below.

The large number of examples from extremely different application areas impressively demonstrates the state of development of handheld NIR spectroscopy for use in the quality control of ...

Handheld FTIR spectrometers are used in heavy industry for a wide range of material science applications, like making certain that surfaces are free of impurities so that correct bonding of...

Handheld spectrometers analyze material composition in real-time, aiding sectors like agriculture, pharmaceuticals, and forensics with efficient data insights.

Analyze materials anywhere with handheld spectrometers--ideal for fieldwork, quality control, and research, providing rapid, accurate data on-the-go.



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Web: <https://www.safireschools.co.za>

