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Ahura Scientific develops handheld chemical ID device

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February 14 '08: [HSDailyWire.com](#) reported that [Ahura Scientific](#) has released a new handheld chemical ID device which "allows first responders to analyze" compounds in the field. The device, called the [TruDefender FT](#) is three pounds and uses [Fourier-Transform Infrared \(FTIR\) spectroscopy](#), the company's press release said.

"FTIR spectroscopy is a widely-accepted and highly selective technique for chemical identification that is ideally-suited for many industries, including public safety applications like hazmat response," the press release continued.

Roughly, the FTIR process uses split infrared waves which are recombined and then measured inside a detector to analyze the various components of the compound which is submitted to the radiated infrared light.

Ahura Scientific said the technology used in the TruDefender - which will be demo-ed at [PITTCON 2008](#) in New Orleans this March - can be used also "to a range of quality control (QC), product verification, and raw material inspection applications in the industrial sector, including pharmaceutical manufacturing, food production, petrochemical processing, and composite analysis."

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