



## SELF-ASSEMBLED NANOFIBERS SNIFF OUT EXPLOSIVES



Vaporsens has developed this handheld, portable device that senses explosive compounds down to parts-per-trillion levels. The sensor materials have a shelf life of over one year, and the sensor array has been tested over a period of 15 days of continuous sampling without exhibiting any significant change in performance. When the sensing element does need to be replaced, the process is as simple as replacing a secure digital (SD) card in a camera. Image courtesy of Dan Hixon, Univ. of Utah College of Engineering.

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