



**Homeland  
Security**

Science and Technology

# Highlight

**U.S. Department of Homeland Security**



**System Assessment and Validation for Emergency Responders**

The U.S. Department of Homeland Security (DHS) established the System Assessment and Validation for Emergency Responders (SAVER) Program to assist emergency responders making procurement decisions.

Located within the Science and Technology Directorate (S&T) of DHS, the SAVER Program conducts objective assessments and validations on commercial equipment and systems, and provides those results along with other relevant equipment information to the emergency response community in an operationally useful form. SAVER provides information on equipment that falls within the categories listed in the DHS Authorized Equipment List (AEL). The SAVER Program mission includes:

- Conducting impartial, practitioner-relevant, operationally oriented assessments and validations of emergency responder equipment;
- Providing information that enables decision makers and responders to better select, procure, use, and maintain emergency responder equipment.

Information provided by the SAVER Program will be shared nationally with the responder community, providing a life- and cost-saving asset to DHS, as well as to federal, state, and local responders.

The SAVER Program is supported by a network of technical agents who perform assessment and validation activities. Further, SAVER focuses primarily on two main questions for the emergency responder community: "What equipment is available?" and "How does it perform?"

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Visit SAVER on the RKB Web site:

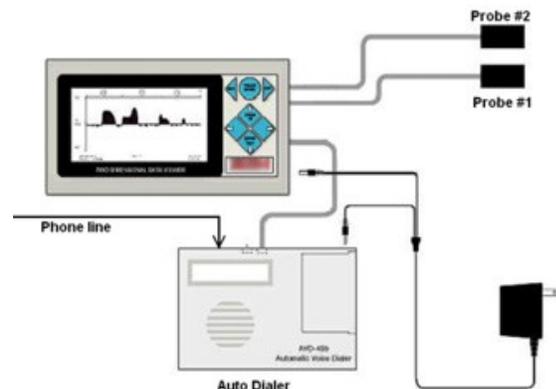
<https://www.rkb.us/saver>

## Temperature and Humidity Monitors/Recorders

Hospital staff, emergency medical technicians (EMTs), and other entities that respond to emergencies need to store and/or transport materials such as blood and pharmaceuticals under carefully controlled conditions to maintain viability. Temperature and humidity monitors record data from sensors and alert outside personnel when values fall outside acceptable ranges, ensuring the viability of materials being stored or transported.

To assist emergency responders in making a procurement decision, the National Urban Security Technology Laboratory (NUSTL) has conducted a market survey in order to provide information on commercially available equipment, and produced the *Temperature and Humidity Monitors/Recorders Market Survey Report*. The *Temperature and Humidity Monitors/Recorders TechNote* lists different sensors commonly used to measure temperature and monitor humidity; it also explains how the equipment functions and describes common features and possible applications.

All reports will be placed in the SAVER section of the RKB Web site (<https://www.rkb.us/SAVER>) as they become available. Information on other technologies being evaluated by the SAVER Program can also be found on the Web site.



**Temperature/Humidity Monitor Schematic**