

Sensorized Vest by Smartex

<p>Picture</p>	
<p>Brief Description</p>	<p>Sensorized Vest with textile sensors integrated, measuring Heart Rate, Breath Rate, Activity Classification.</p>
<p>Main Functionality</p>	<p>Physiological signals of the First Responders are constantly monitored. The parameters acquired are provided in real time by the system, through the Datalogger, to the C&C Centre. FR's vital signs are always analysed to allow prompt reaction and intervention in case of FR's critical condition.</p>
<p>Main Capabilities</p>	<p>The sensorized vest can acquire, record, and process several physiological signals. From the signals acquired in real time, three parameters are extracted:</p> <ul style="list-style-type: none"> Heart Rate: calculated from a real-time reliable ECG signal. Breath Rate: extracted from a respiration signal from the chest. Activity Classification: calculated using the signals coming from an inertial platform embedded in the electronic acquisition device. <p>These parameters are sent, in real time and through a cable, to the Datalogger provided by HI.</p>
<p>Use Case (s)</p>	<p>It can be used by FRs, in all Respond-A scenarios</p>

