

Firefighter Gloves SensPro®

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The first gloves for firefighters with integrated thermal sensor and high protection against thermal radiation. Ability to connect gloves to your mobile device via the app. Possibility to set the desired heat limit and identification data.

The application shows the exact temperature values, the minimum and maximum measured temperatures and the total service life of the gloves.

Protective Gloves for Firefighters with Implemented Electronics and Sensors

- Temperature sensor
- IR [Infrared] sensor
- Laser pointer
- Switch
- Bar graph
- Status LEDs
- Accumulator box

Measuring with the temperature sensor

- The temperature sensor is located on the ring finger
- It is protected by a cover made of DuPont™ Nomex® material while also being in contact with surrounding air
- Measures the surface of the glove and close surrounding of the firefighter

Measuring temperature of remote objects

- By means of IR sensor
- The IR sensor is located beneath a silicon cover on the back of the glove
- The accuracy depends on the distance between the glove and the measured point

LED bar graph

- The colour changes when set temperature limits are exceeded
- It visually informs the user about current temperature values measured
- It shows, at any given moment, values measured from only one of the sensors (either IR or Temperature sensor)
- Located on the back of the glove and protected by a clear silicon cover

SensPro® application

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- Allows the user to set temperature limits of both temperature and IR sensors
 - History of measured temperature values
 - Shows the status of the glove's accumulator

Technical specifications

Upper material:

- Back: DuPont™ Nomex® fabric with ceramic coating
- Palm: 50% DuPont™ Kevlar®/50% DuPont™ Nomex® knitted fabric with silicone coating

Reinforcement:

- Back: HiPro® – Hidden Protection / Para-Aramid reinforcement on fingertips

Intermediate layer:

- Back: Aramid non-woven fabric

Membrane:

- Membrane Porelle® FR

Lining:

- Aramid lining with increased grammage
- Lining with self-cooling effect

Wristband:

- Compact

Electronics for glove with implemented sensors

Additional information:

- Anatomical / 3D Pattern glove cut
- Reflective elements, high-visible Nomex®
- Snap hook for hanging gloves on clothing
- Tightening strap with velcro fastening

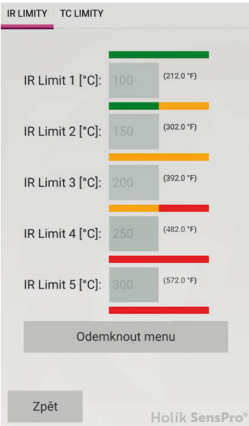
Glove Certification:

- EN 659:2003+A1:2008
- EN 388:2016
- EN4 20:2003+A1:2009

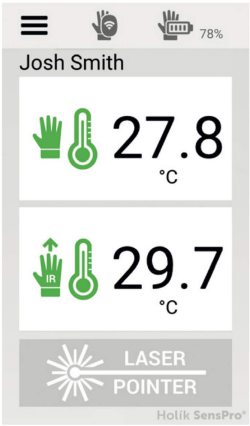
Electronics Certification:

- EN 60079-0:2012+A11/2013
- EN 60079-11:2012
- EN 60079-28:2015

Size assortment: 7-8-9-10-11-12



Bar graph settings
IR limits and TC limits



Displaying the measured values gives
the option to controle the functionality
and the settings of the glove.



