

# SensEver<sup>®</sup> HSI

## Wireless and battery-free hot surface indicator (HSI)

- self-powered: No batteries - no maintenance
- settable alert trigger temperature
- ATEX Zone 2
- no moving parts
- IP67



## Optical temperature alert for hot pipes/surfaces

SensEver HSI will support safety on the production floor and is mounted to hot surfaces or pipes that potentially can harm people when touched unintentionally. Integrated LEDs start blinking when the temperature of the surface exceeds a preset threshold. The device is self-powered and thus autonomous and maintenance free over its entire lifetime.

### Simple installation and autonomous operation

SensEver HSI is mounted directly to the surface or pipe to be monitored by using a standard metal strap.

A clear optical alarm in the form of a blinking red light warns personnel from not getting in contact with this specific pipe and increases the awareness for a dangerous environment in general.

SensEver HSI is maintenance free. It converts the heat flow from the pipe to the environment into electricity and is thus independent of a battery or a power cable.

### Application

SensEver HSI operates in a pipe temperature range of -20°C to +145 °C, can be submersed into water and applicable in ATEX Zone 2 environment.

### Functionality

SensEver HSI can be mounted on pipes of any diameter with interchangeable interfaces. An adapter for flat surfaces is available on request. When the temperature exceeds a production preset level between 60°C and 140°C, a red blinking light is emitted.

### Technical specifications

Dimensions (without adapter):	35mm x 35mm x 60 mm
Suited pipe diameter:	>8 mm
Materials:	Aluminium/PTFE
Max surface temperature:	145 °C (at 25°C RT)
Alarm threshold:	Tmin: 60 °C – Tmax: 140 °C
Power supply:	Self-powered
Alarm:	Red light (blink) ~1 Hz
ATEX rating	Zone 2