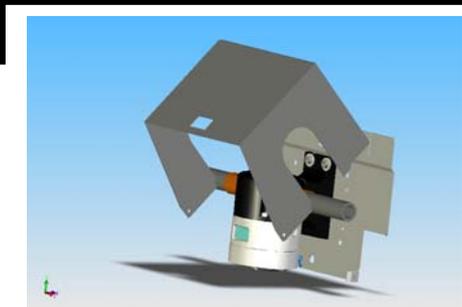


**Some like it hot.... Instruments don't:  
The Compur heat shield protects instrumentation**



## The Heat Shield: Guarding your sensors against overheating

Instruments installed in open plants such as gas detectors, smoke detectors or other instrumentation are often located in places where they are exposed to direct sunlight. When planning a new plant it is nearly impossible to predict in which location an instrument will be exposed to sunlight. Radiant heat from the sun will warm up instrument housings made of metal or dark material in a very short time, to temperatures outside of the instruments approval.

At such temperatures, not only is the accuracy of the instrument compromised, but they will also no longer be explosion proof. Most instruments are only temperature compensated up to a maximum of 120°F - 140°F.

Consequently, instruments must be protected from heat. The solution is a Compur heat shield, which works like an individual air conditioner for field instrumentation.

The heat shield consists of a stainless steel case without a bottom. Except for the openings to accommodate cable, conduit, the sensor, and a display, it is closed. Its top is furnished with slatted apertures. As soon as the case gets hot, the inside air will rise, with the hot exhaust exiting through the slats. This process will initiate natural ventilation by convection. The air stream may even have a nice side effect: Gas will be brought to the sensor faster.

Temperature tests have proven what the heat shield can achieve. The protected instrument temperature inside is approximately 36°F lower compared to what it would be without it.

The upper part of the heat shield can easily be removed for better access to the instrument, allowing for maintenance work. The mounting base has a receptacle to hold it during work. As a protection from extreme weather, it can be secured with a splint or screw. The heat shield will also protect your instrument investment from hail and other inclement weather conditions.

The heat shield can be easily mounted to a wall or pipe. The relevant mounting material is available in a set (Art. No. 561 046).

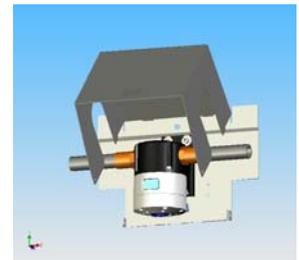
Compur Monitors can supply the heat shield with any gas detector intended to be used in a tropical climate. It is available for the Statox S, Statox 501 and Statox 501 IR. Different versions with openings for cable or conduit are available. Custom – made versions for non-Compur instrumentation is available upon request.

### Technical Data

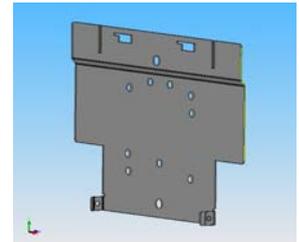
Material	Stainless steel
Dimensions (LxWxD)	300 x 200 x 160 mm / 11,8" x 7,9" x 6,3"
Mounting	Wall or pipe mounting 2" to 2 1/2 "

### Compur Monitors GmbH & Co. KG

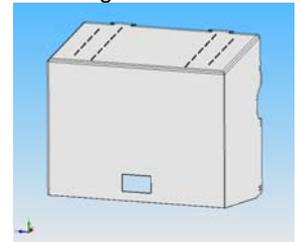
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Email: [compur@compur.de](mailto:compur@compur.de)  
Internet: <http://www.compur.com>



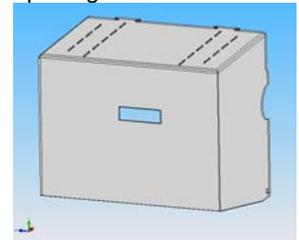
Statox 501 IR with Conduit



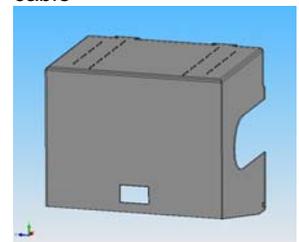
Back plate with holes for all sensor heads and mounting methods



Art. No. 561 047 for Statox 501 IR with opening for cable



Art. No. 561 048 for Statox S with opening for cable



Art. No. 561 049 for Statox 501 IR with opening for conduit

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