

Snow and flood water alarm system SAS-307

Summer



Winter



Object protection



The three 3 measuring stations can be installed up to 300 m away from the control unit with an easy plug cabling.

Snow and flood water alarm system SAS-307

According to the official statement of the Registration office for Building products in Berlin, Technical Building Test authority, represented by Prof. Hoppe, an official building authority is not necessary.

System

The snow and flood water alarm system SAS-307 registers the existing snow or water load on a flat roof or on a saddleback roof with low incline. It sets off an alarm when the sensors of the free programmable values have been exceeded. For example, pre-alarm by 60% and evacuation alarm by 90% of the permitted roof load. The SAS-307 is designed for all snow areas with a measuring range of 10 - 750 kg/m². The measuring tolerance is +/- 2% of the maximum load.

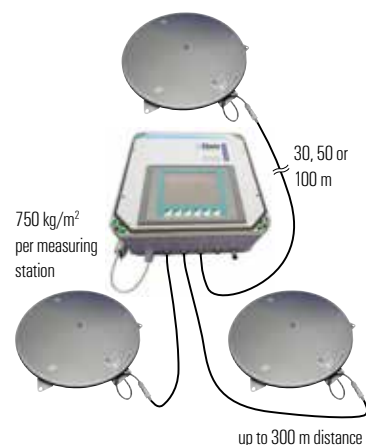
The three measuring station will be installed on the roof surface at different positions. In this way, the measuring values are more secure than using just one single measuring point. Thus, different roof loads are detected caused, for example, by snowdrifts.

The stations are mounted up to 300 m away from the control electronic which is installed inside the building with prefabricated, pluggable connecting wires. The control electronics are in a 320 x 320 x 179 mm control panel with integrated display screen (touchscreen), showing the load of the individual stations and allows its adjustment.

There are two versions available depending on the different requirements and allows free selectable configuration levels.

Advantages

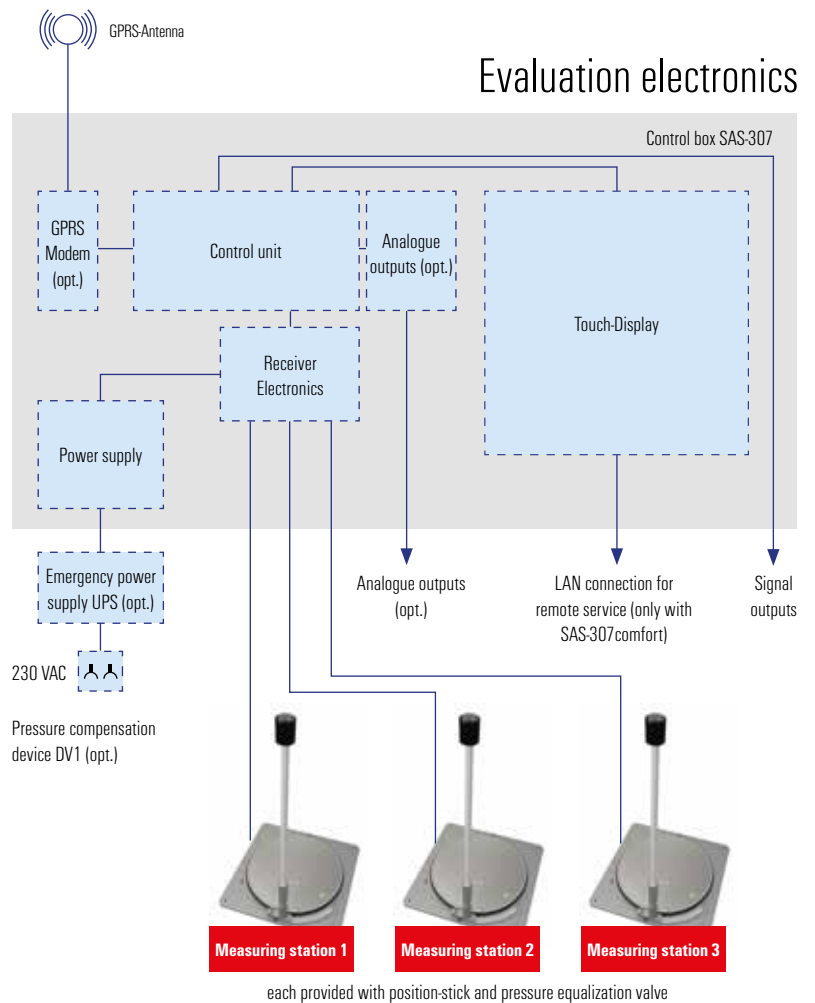
- Simple fitting
- Convenient connectors
- Measuring range 10-750 kg/m²
- High accuracy
- Menu-controlled programming, user-friendly setting
- Individual setting of warning limits
- Automatic fault surveillance



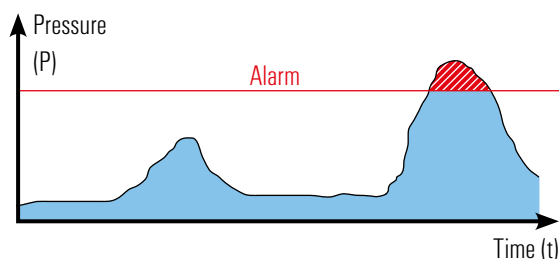
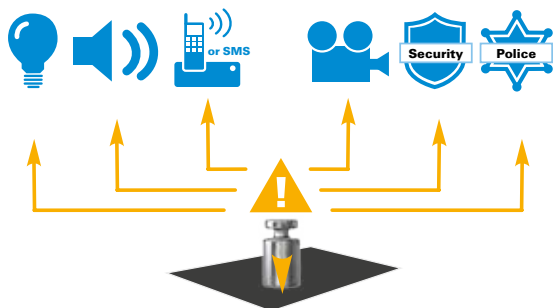
Object protection



Features	SAS-307 standard	SAS-307 comfort
Remote access via Internet:	-	yes
Data register History data:	-	yes
Display:	5,7" Touch-Display	7" LCD Touch-Display
GPRS (optional):	yes	yes
Analogue outputs (optional):	yes	yes



Overload warning:



The measuring stations are electronic devices. In order to achieve a reliable performance of the integrated sensors and the evaluation unit, a pressure equalization provided by a special valve between the inner and outer air pressure is required. For installations over the roof film, this valve is integrated into the position stick, indicating the position of the electronic measuring unit in a snowy roof.

The 50 cm, circular measuring station are made of anodized aluminium with IP 68 for use directly on the roof film, and therefore also designed for later installation. For this purpose, a mounting plate will be affixed to the roof sheeting and the station will be fixed on it.

The **alarm signal** occurs depending upon the equipment:

- Visual and/or acoustic alarm via existing potential free relay contacts
- Through existing Building equipment / Telephone dialer

or optional

- SMS via an integrated GPRS Modem
- An analogue connection for own data analysis.

The installation is usually done by a tilers that provides a professional cable management into the building.

Technical Data

Measuring station

Size:	500 x 27 mm (w x h)
Material:	Aluminium anodised
Protection type:	IP 68
Measuring range:	10 ... 750 kg/qm
Accuracy:	+/- 2% in nominated load area

Control

Size:	320 x 320 x 179 mm (L x W x H)
Power supply:	100 - 230 VAC
Power consumption:	max. 500 mA
Protection type:	IP 54

Accessories (optional)

Connection cables:	30 m / 50 m / 100 m (with pre-fitted plug) (IP 69k)
Mounting plate:	630 x 520 x 10 mm with 3 screw bolts and 3 straps
Analogue Module:	for analogue data output +/- 10 V (10 Volt \cong 750 kg Load)

Optical/acoustic signal lights with buzzer (red/yellow/green)

Signal horn

GPRS / GSM Modem (Alarm via SMS), up to 10 mobile numbers

**Accumulator back-up / emergency power supply up to 1.2 Ah, in an external case.
In the event of power supply failure, the last measured values are retained (remanence).**

Position stick with pressure equalization valve is always necessary when installation over the roof film.