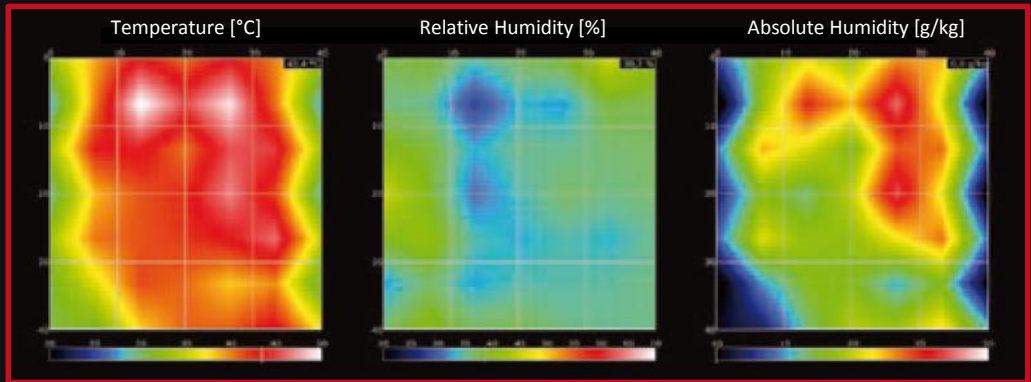


THG[®] SeatView – the eye to optimal climate



Human back in a car seat. Live visualization of heat and humidity (human thermoregulation)

THG[®] SeatView

An optimal heat and humidity balance is an important factor for human comfort within seating devices. Climate is always an area related aspect never punctual. THG SeatView reveals its heat and humidity interactions and indicates perceived and real heat.

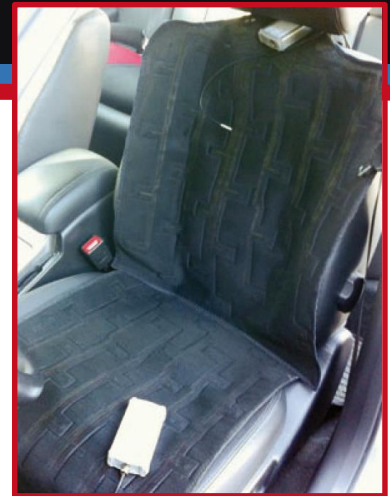
SeatView tracks and visualizes the microclimate development between driver (or SWEATOR manikin) and seat - live.

Product features:

- Easy to handle, highly reliable technology
- Very short setup time
- Remote usage independent of a PC
- Stationary usage with PC
- Direct indication of perceived heat
- Strong data logging unit with USB and CAN based interface
- T, RH, AH, t detection down to 2 sec. intervals
- Proven technology in the automotive industry

Fields of application:

- Climate tracking in and on automotive seating products
- Identification of weak heat and humidity spots
- Development of intelligent climate control algorithms
- Optimization of heat and ventilation cycles
- Comparison of climate behavior of different materials
- Suitable for all seating systems – also aircraft, rail, utility vehicles, office, furniture.



THG SeatView – applied to a seat

All THG AreaView products:

- *SeatView*
- *SleepView* (laying devices)
- *BodyView* (several layers, body core)
- *HeadView* (head protection)

You may also be interested in our SWEATOR technology simulating human thermoregulation. Data on request.

SWEATOR-TORSO
SWEATOR-SKIN
SWEATOR-HEAD
SWEATOR-FOOT



We shall be pleased to talk to you:

THG[®] SeatView – technical data



	SeatView 24+1	SeatView 31+1
tracked area	40 x 40 cm	50 x 50 cm
# of sensors	24 + 1	31 + 1
data tracking	T, RH, AH, t	T, RH, AH, t
field of appl.	office, wheelchair, furniture	auto, aircraft, rail, utility vehicles

TECHNICAL OVERVIEW THG AREAVIEW

RELATIVE HUMIDITY RH

Measurement range	0% RH to 100% RH, fully dewable	
Accuracy	± 2% RH	
Resolution	0.02% RH	
Hysteresis	± 0.5% RH	
Long time stability	< ± 0.5%/a at 50% RH and 20°C	
Response time	< 4 sec	

TEMPERATURE T

Measurement range	-40°C – +120°C	
Accuracy	-40°C – 0°C	± 1.5°C
	± 0°C – 40°C	± 0.3°C
	+ 40°C – 80°C	± 0.5°C
Resolution	0.1°C	
Hysteresis	± 0.2°C	
Response time	< 30 sec	

DATA LOGGER

Size	106 x 57 x 22 mm
Weight	app. 95 g
Memory capacity	1.5 mil values
Interface	USB 2.0
Power supply	Li ION 3.7 VDC/1200mAh
Power input	charging max. 500 mA, operating < 1 mA
Protection class	IP64

SYSTEM REQUIREMENTS FOR SOFTWARE

Plattform	IBM compatible PC
Operating System	Win 98/Me and NT 4.0/2000/XP, Win7 32bit
Interface	USB 2.0
Additional Software Applications	MS Excel 2000 or higher

Successful users – excerpt:

