

IC-Meter data:

Monthly Statistics for Indoor Climate

August 2015

Location: Engskovskolen 2

Room: New Classroom

Box ID: C5C30A6F









User: demo@ic-meter.com

Location created: 2nd Sep 2014

Timezone: Europe/Copenhagen

Average values for the 6 active hours*




*On workdays between 8:00-12:00 and 13:00-15:00

	CO₂:	602 ppm	
	Temperature:	25.4 °C	
	Relative humidity:	46.6 %	
	Noise:	47.6 dB(A)	






More Statistics >>>

Relative distribution for time of the day in workdays and weekends, ventilation key figures and local weather

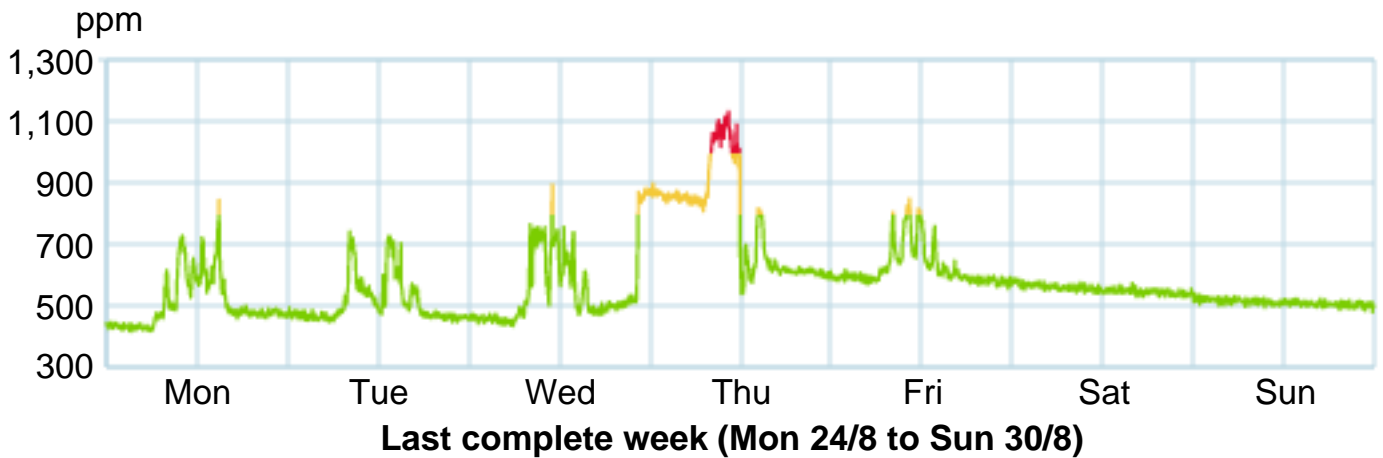
Classification of indoor climate

All indoor meter data are classified according to a Smiley/traffic light concept, where  green is good,  yellow is less good and  red is bad.

The classification reflects the indoor climate with respect to health, what is good for the building and the climate outside. The thresholds as listed in the table below have been specified by the Technological University of Denmark, Center for Indoor Climate and Energy.




Indoor climate classes	Bad	Less good	Good	Less good	Bad
					
Fresh Air (CO₂) ppm			Below 800	800-1,000	Above 1,000
Temperature °C	Below 18.4	18.4-20.4	20.4-23.4	23.4-25.4	Above 25.4
Relative Humidity %	Below 20	20-25	25-49.3	49.3-61.6	Above 61.6
Noise dB(A)			Below 60	60-80	Above 80

CO₂ - August 2015

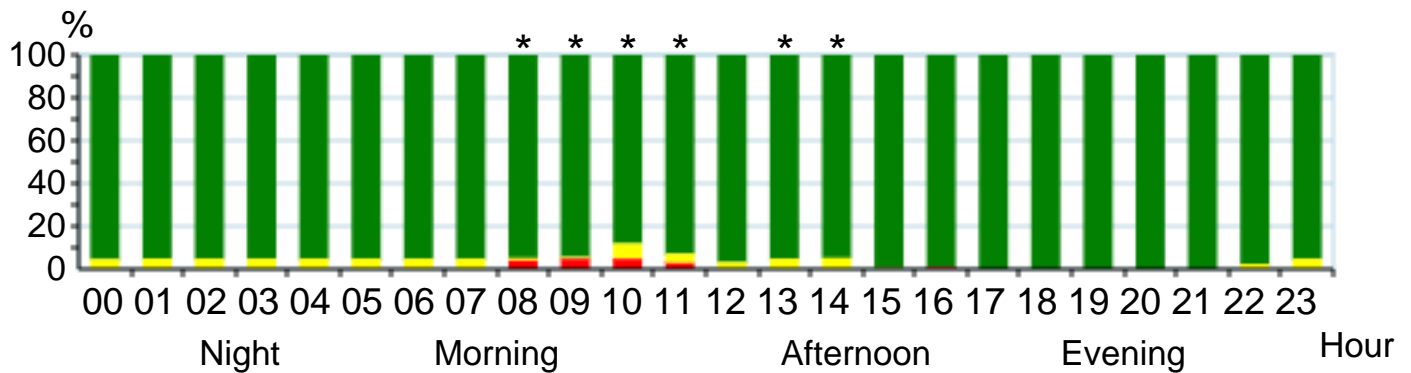


CO₂ - Workdays

Relative distribution on the three climate classes for the period




Average CO ₂	Good	Less good	Bad
533 ppm	 96 %	 3 %	 1 %

Relative distribution for time of the day and climate classes

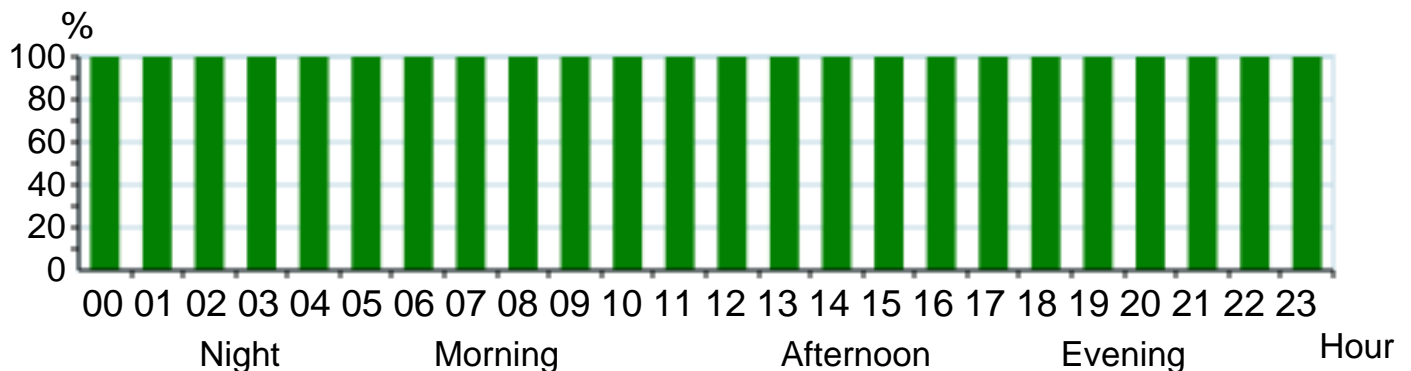


CO₂ - Weekends

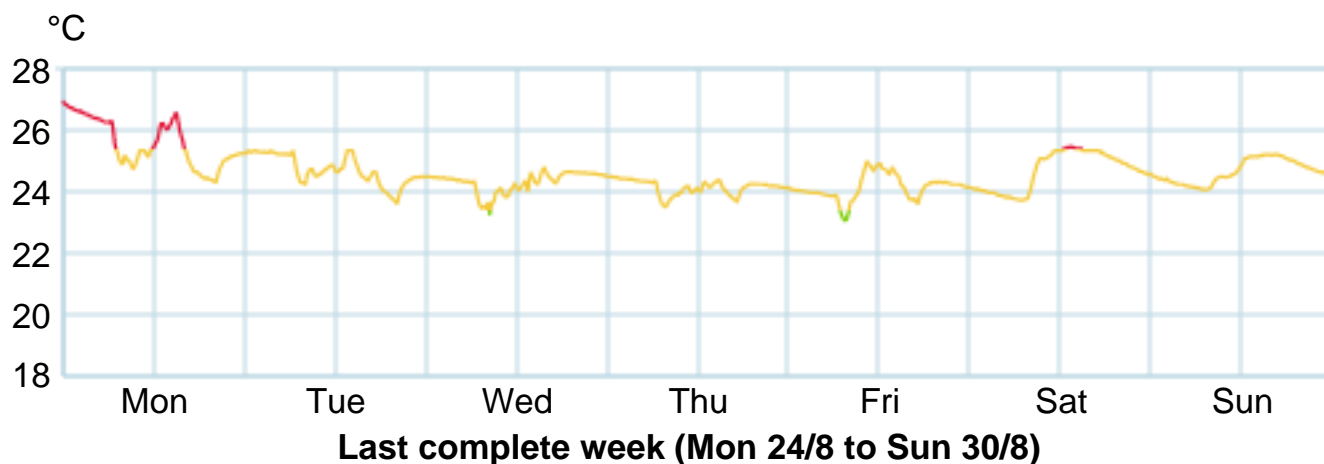
Relative distribution on the three climate classes for the period

Average CO ₂	Good	Less good	Bad
462 ppm	 100 %	 0 %	 0 %

Relative distribution for time of the day and climate classes






Temperature - August 2015

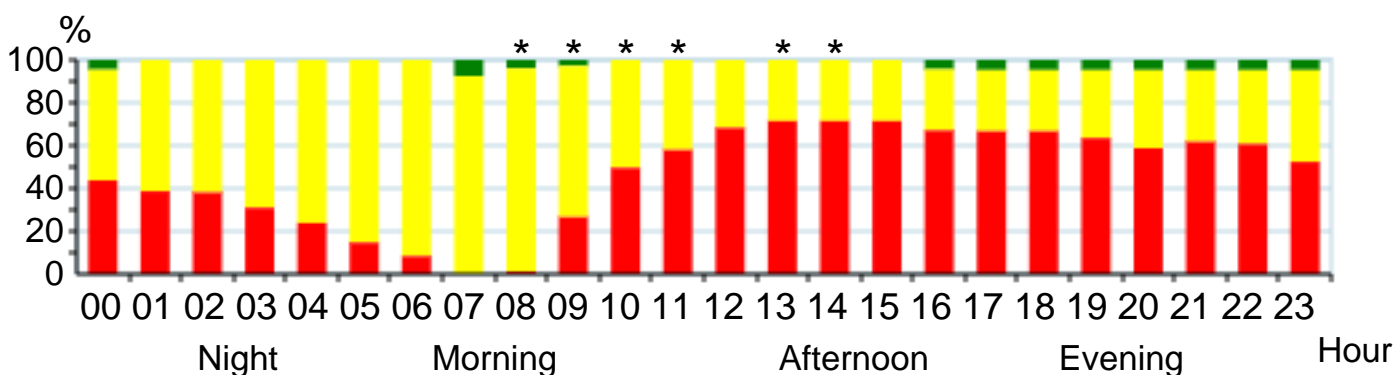


Temperature - Workdays

Relative distribution on the three climate classes for the period




Average Temperature	Good	Less good	Bad
25.3 °C	 2 %	 51 %	 47 %

Relative distribution for time of the day and climate classes

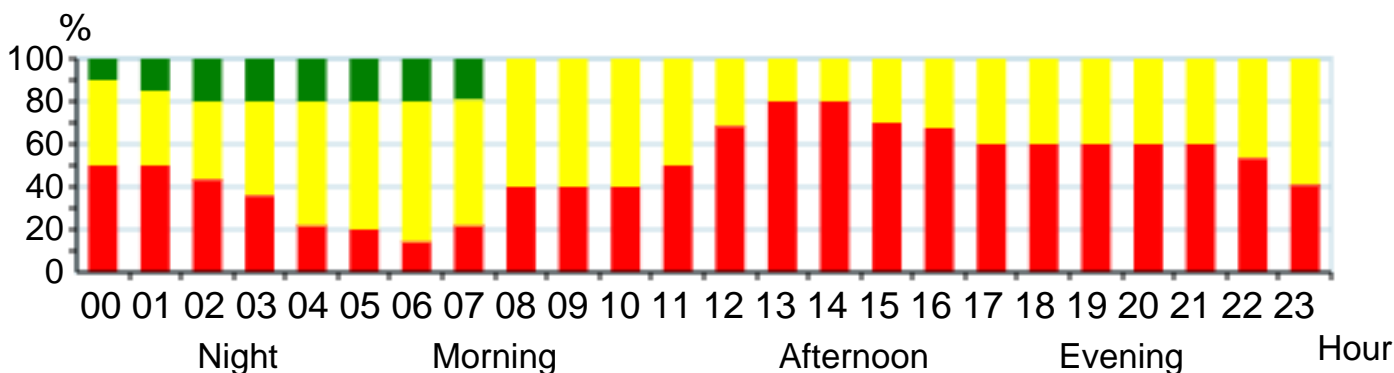


Temperature - Weekends

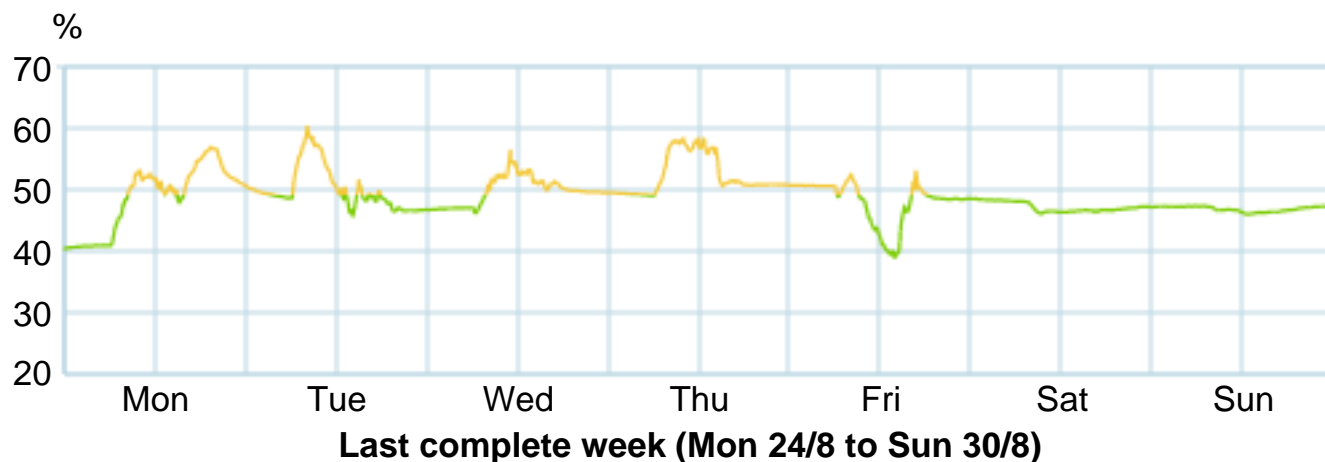
Relative distribution on the three climate classes for the period

Average Temperature	Good	Less good	Bad
25.5 °C	 6 %	 45 %	 49 %

Relative distribution for time of the day and climate classes






Humidity - August 2015

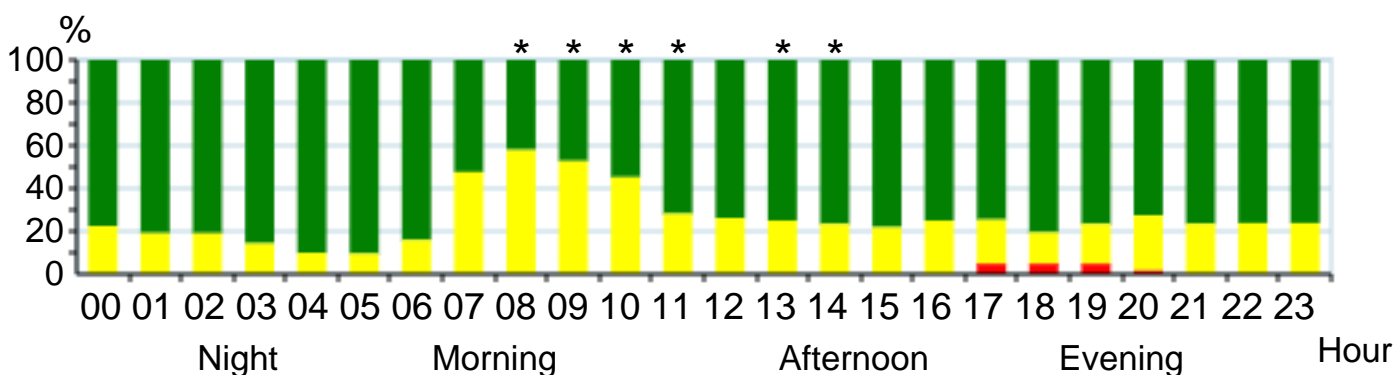


Humidity - Workdays

Relative distribution on the three climate classes for the period




Average Humidity	Good	Less good	Bad
45.7 %	 74 %	 26 %	 0 %

Relative distribution for time of the day and climate classes

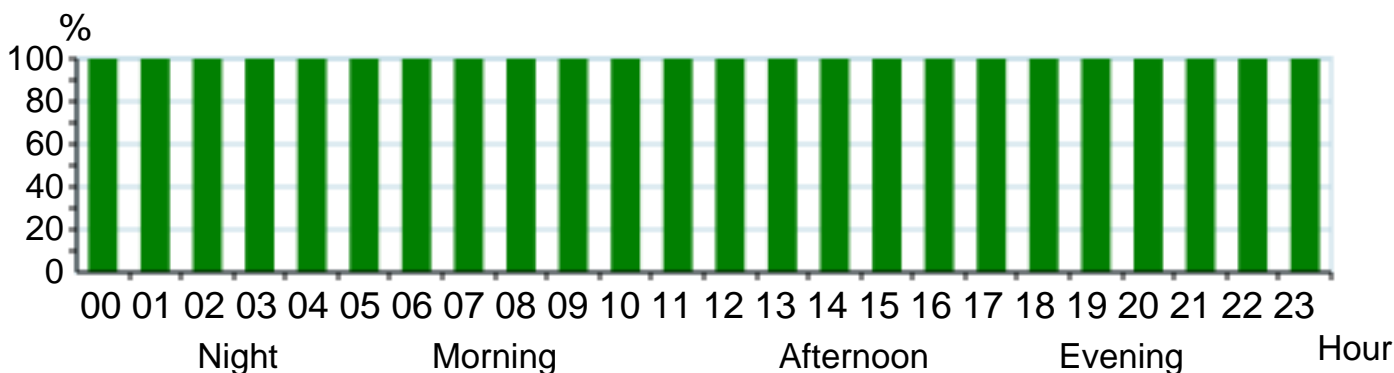


Humidity - Weekends

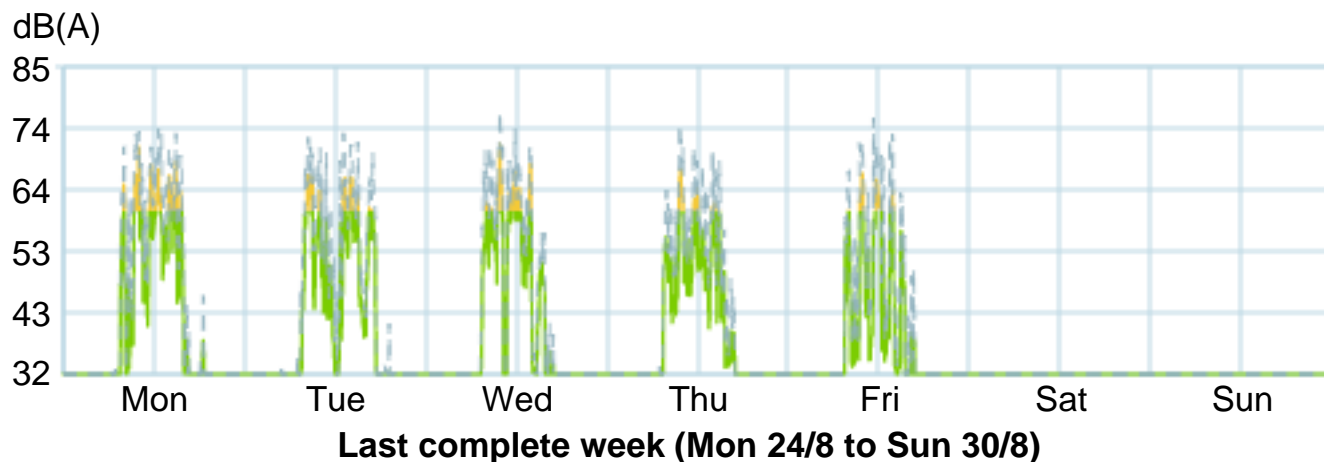
Relative distribution on the three climate classes for the period

Average Humidity	Good	Less good	Bad
43.7 %	 100 %	 0 %	 0 %

Relative distribution for time of the day and climate classes






Noise Average - August 2015

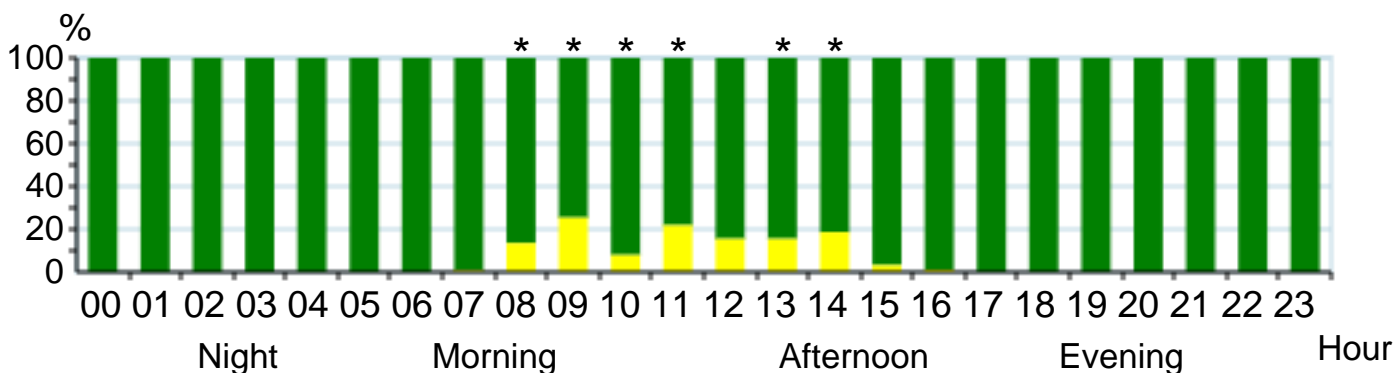


Noise Average - Workdays

Relative distribution on the three climate classes for the period




Average Noise	Good	Less good	Bad
37.5 dB(A)	 95 %	 5 %	 0 %

Relative distribution for time of the day and climate classes

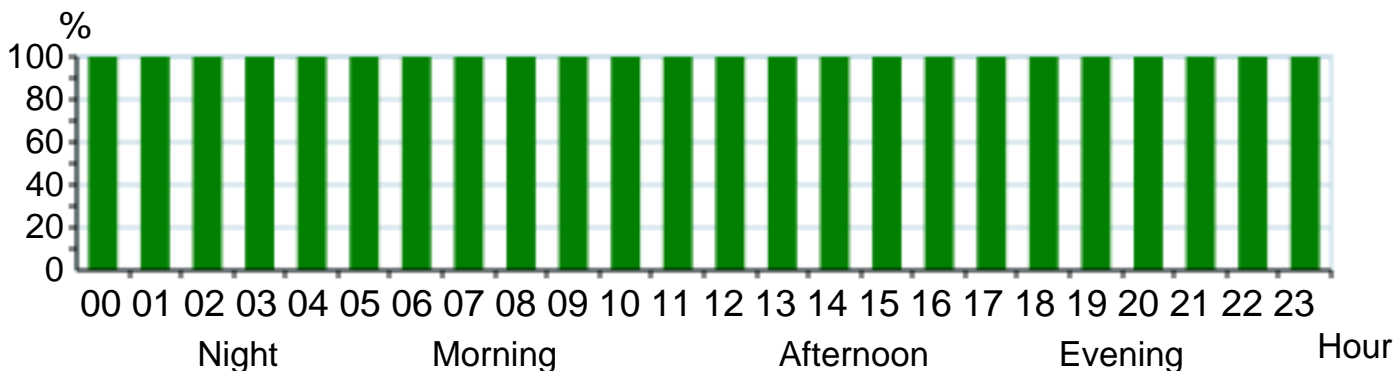


Noise Average - Weekends

Relative distribution on the three climate classes for the period

Average Noise	Good	Less good	Bad
32.1 dB(A)	 100 %	 0 %	 0 %

Relative distribution for time of the day and climate classes



Period: August 2015

Ventilation key figures

Air change rate: 0.7 /h

128.9 m³/h

Heavy ventilation: 5.0 minutes /day

Vapor production: 1.5 kg /day

IC-Meter calculates four key figures based on measurements from the previous 30 days.

- *Relative air change per hour pct./hour* (Air change rate) indicates how many m³ get replaced in a room during an hour, compared to the volume of the room.
- *Absolute air change per hour m³/hour* indicates how many m³ get replaced in a room during an hour.
- *Heavy ventilation minutes/day* indicates minutes when the relative air change rate is above 3. This corresponds to e.g. two open windows resulting in the air in the room being replaced quickly.
- *Vapor production kg/day* indicates the average total vapor produced in a room to maintain a higher absolute humidity indoor than in the air outside.

More information

More information on www.ic-meter.com

Period: August 2015

Local Weather

Average temperature	Min	Max
17.9 °C	8.0 °C	27.1 °C

Average humidity	Min	Max
71.4 %	28.1 %	98.1 %

Wind speed m/s	Direction		
Average wind speed	1.	2.	3.
3.0 m/s	E	SE	S

Read more about the measurement concept of IC-Meter on www.ic-meter.com