IC-News: IC-Meter launches Activity Index & Week Calendar

– Tools for Facility Management, BMS and contracts for Indoor Climate services

October 2015

It is vital to know when and how you are using your rooms – for a number of reasons.

• **When are your activity peaks, do you have sufficient space, or are your office empty most of the day?**
• **Is there anyone present at times where the room is supposed to be empty?**

IC-Meter has developed an **Activity Index** to handle these questions. The Activity Index gives a classification of the actual human activity during the day. The theory behind the Activity Index is that the patterns in witch indoor parameters changes are quite different, in situation with high and low human activity.

The Activity Index has four classes: '**Very High**', '**High**', '**Low**' and '**Very Low**' activity. The Activity Index is calculated every hour and communicated to all IC-Meter Box owners as a free service.

Indoor Climate changes with the activity

It is important to have a good indoor climate – especially at times where people are present. The Activity Index helps you to pinpoint the indoor climate under different activity levels. Use this information to document the actual indoor climate and to optimize the buildings control systems.
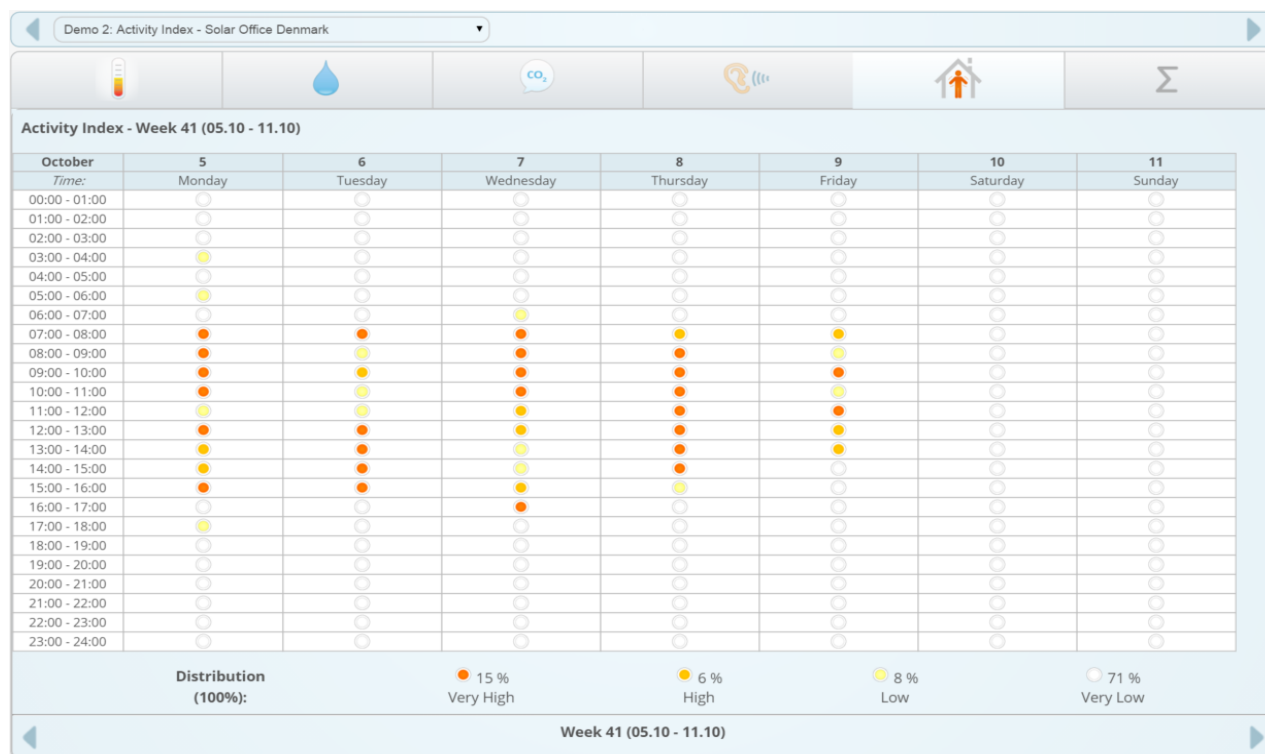
See above an example of the new Activity Index for an office, shown as a Week Calendar. There is no need for ventilation of this building after five a clock and in the weekends, since the building is empty.

Week summary

A Week summary of the indoor climate for the different Activity classes is shown below.

Week - summary
Average values for activity classes

Activity class:	Time %	Temp. °C	Humidity %	CO₂ ppm	Noise Avg. dB(A)
Very High ●	15	22.8	44	642	37.7
High ●	6	22.9	45	597	35.3
Low ●	8	22.7	45	571	33.6
Very Low ○	71	22.0	44	460	32.1
Average	100	22.3	44	504	33.2

Week 41 (05.10 - 11.10)
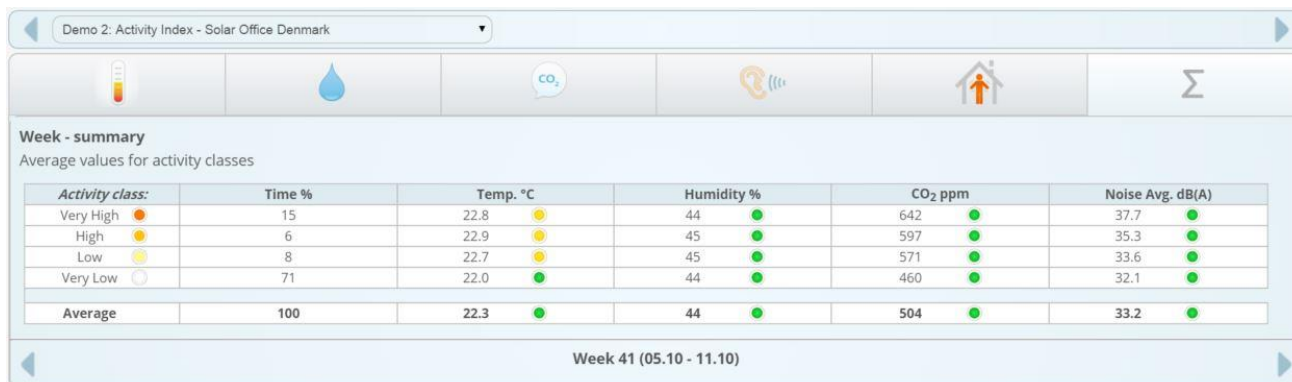
All IC-Meter users would automatically receive their '**Indoor Climate Calender – Week XX**' every Monday by e-mail.

The Indoor Climate Calendar also contains Week view for Temperature, Humidity, CO_2 and Noise. See an example below for Temperature.
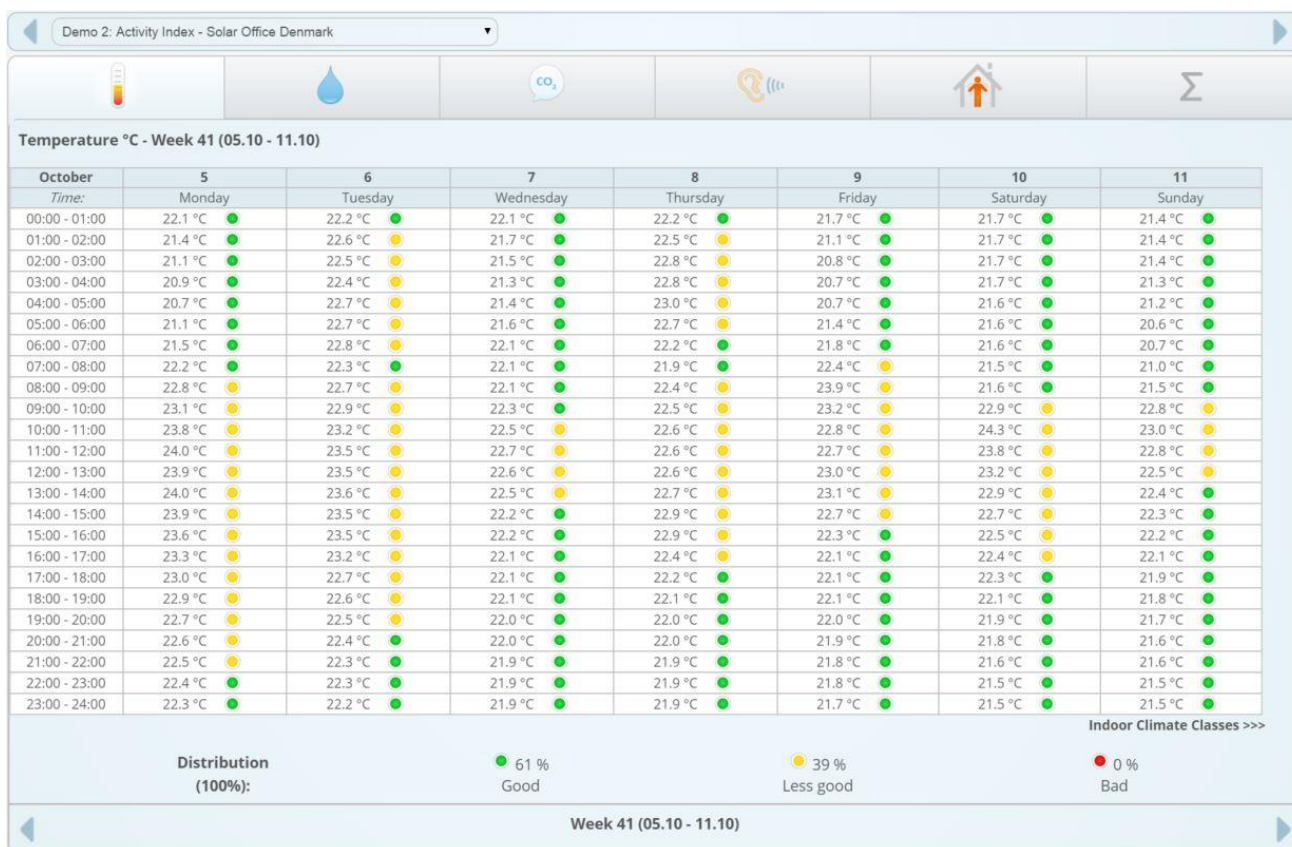
Temperature °C - Week 41 (05.10 - 11.10)

October	5	6	7	8	9	10	11
Time:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
00:00 - 01:00	22.1 °C	22.2 °C	22.1 °C	22.2 °C	21.7 °C	21.7 °C	21.4 °C
01:00 - 02:00	21.4 °C	22.6 °C	21.7 °C	22.5 °C	21.1 °C	21.7 °C	21.4 °C
02:00 - 03:00	21.1 °C	22.5 °C	21.5 °C	22.8 °C	20.8 °C	21.7 °C	21.4 °C
03:00 - 04:00	20.9 °C	22.4 °C	21.3 °C	22.8 °C	20.7 °C	21.7 °C	21.3 °C
04:00 - 05:00	20.7 °C	22.7 °C	21.4 °C	23.0 °C	20.7 °C	21.6 °C	21.2 °C
05:00 - 06:00	21.1 °C	22.7 °C	21.6 °C	22.7 °C	21.4 °C	21.6 °C	20.6 °C
06:00 - 07:00	21.5 °C	22.8 °C	22.1 °C	22.2 °C	21.8 °C	21.6 °C	20.7 °C
07:00 - 08:00	22.2 °C	22.3 °C	22.1 °C	21.9 °C	22.4 °C	21.5 °C	21.0 °C
08:00 - 09:00	22.8 °C	22.7 °C	22.1 °C	22.4 °C	23.9 °C	21.6 °C	21.5 °C
09:00 - 10:00	23.1 °C	22.9 °C	22.3 °C	22.5 °C	23.2 °C	22.9 °C	22.8 °C
10:00 - 11:00	23.8 °C	23.2 °C	22.5 °C	22.6 °C	22.8 °C	24.3 °C	23.0 °C
11:00 - 12:00	24.0 °C	23.5 °C	22.7 °C	22.6 °C	22.7 °C	23.8 °C	22.8 °C
12:00 - 13:00	23.9 °C	23.5 °C	22.6 °C	22.6 °C	23.0 °C	23.2 °C	22.5 °C
13:00 - 14:00	24.0 °C	23.6 °C	22.5 °C	22.7 °C	23.1 °C	22.9 °C	22.4 °C
14:00 - 15:00	23.9 °C	23.5 °C	22.2 °C	22.9 °C	22.7 °C	22.7 °C	22.3 °C
15:00 - 16:00	23.6 °C	23.5 °C	22.2 °C	22.9 °C	22.3 °C	22.5 °C	22.2 °C
16:00 - 17:00	23.3 °C	23.2 °C	22.1 °C	22.4 °C	22.1 °C	22.4 °C	22.1 °C
17:00 - 18:00	23.0 °C	22.7 °C	22.1 °C	22.2 °C	22.1 °C	22.3 °C	21.9 °C
18:00 - 19:00	22.9 °C	22.6 °C	22.1 °C	22.1 °C	22.1 °C	22.1 °C	21.8 °C
19:00 - 20:00	22.7 °C	22.5 °C	22.0 °C	22.0 °C	22.0 °C	21.9 °C	21.7 °C
20:00 - 21:00	22.6 °C	22.4 °C	22.0 °C	22.0 °C	21.9 °C	21.8 °C	21.6 °C
21:00 - 22:00	22.5 °C	22.3 °C	21.9 °C	21.9 °C	21.8 °C	21.6 °C	21.6 °C
22:00 - 23:00	22.4 °C	22.3 °C	21.9 °C	21.9 °C	21.8 °C	21.5 °C	21.5 °C
23:00 - 24:00	22.3 °C	22.2 °C	21.9 °C	21.9 °C	21.7 °C	21.5 °C	21.5 °C

Indoor Climate Classes >>>

Distribution (100%):	● 61 % Good	● 39 % Less good	● 0 % Bad

Week 41 (05.10 - 11.10)

Get more information on www.ic-meter.com or contact Göran Wilke, Mobile 21 20 55 58, gw@ic-meter.com.