

CELSICOM EASY CONNECT

Real-time concrete curing data at any time on your mobile.

Discover instant, battery-powered remote concrete measurement – without a base station/gateway.





The Celsicom TC603 measurement box: Directly connected and reliable concrete computer.

Our yellow Celsicom TC603 measuring box is designed for one thing: to give you up-to-date information on the status of concrete pours at any time. This allows you to know exactly when the concrete has reached the right strength and you can remove the formwork.

Scan and start measuring

To start using the Celsicom TC603, all you need to do is scan the QR code inside the box and log in or create an account (it only takes a few minutes). Then connect two thermocouple wires to the pole screws in the box and cast them into the concrete. Soon after, you can start following the progress on your mobile, tablet or computer.

To the cloud via a dedicated frequency

Many other remote measurement systems send measurement data to a local base station (gateway), which requires good coverage between the logger and the base station. Our box both measures AND transmits (with integrated SIM card) directly to the Celsiview cloud service. All measurement data is sent using Narrow-band-Internet of Things (NB-IoT) technology on a dedicated frequency in the mobile network. This technology gives the measurement box better coverage than a regular mobile in the same network, so even with very weak signals, connectivity via NB-IoT is possible. Thanks to the built-in memory of the measurement box, measurement data is saved even in case of temporary problems in the mobile network.

One year of operation – with two AA batteries (!)

The meter box also does not need access to a power supply, which can be difficult to provide on many sites. Instead, it runs on two standard AA batteries. Operating time is about one year (depending on ambient temperature and frequency of measurement and data transmission). You can see the current battery status in Celsiview and get an automatic notification when it's time to change batteries.



Celsicom TC603

Internal temperature sensor and two inputs for external wire sensors. Robust and shock resistant. Powered by 2 x 1.5V AA batteries. Operating time approx. 1 year. Operating range: -30 to +70 °C.

Celsiview cloud service:

Access to current readings – whenever you want.

The user-friendly Celsiview cloud service allows you to view and share all your measurement data at any time. Here's how Celsiview works in a nutshell. Learn more and **watch the demo** by visiting app.celsiview.se



With a few simple keystrokes, transform measured values into clear graphs.

Get started with Celsiview

When you scan the QR code on your new meter boxes, you can choose to either create a new cloud account or add them to an existing account. The cloud service costs €3 per month per box, including all data traffic. The price is the same if you choose to have all the boxes in one account or if you create a new account for each box. This allows you to group the boxes in a way that makes sense in your application (by building site, floor, user profile, etc.). A tip is to give the boxes relevant names to easily distinguish them.

Setting up logging and transmission interval

You can easily set up how often your values will be measured and sent to the cloud. The factory setting is logging every five minutes and sending every three hours, which gives the box an uptime of about one year.

Current readings and alarms

Via a standard web browser on your mobile, tablet or computer, you can always see the latest updated readings – wherever you are. If any of your set limits are exceeded or undershot, you will receive an automatic alarm via email or SMS (optional).

Choose among the default recipes or make your own

After selecting a concrete recipe in Celsiview, you can follow the development of the strength of a concrete pour directly on your mobile or computer. You can even add your own concrete recipes if none of the standard recipes already entered are suitable for your application.

36 months history

All your measurement data is stored for 36 months in the cloud, which means you have the ability to document temperature values for a long time. Something that can be useful if you need to prove afterwards that values have stayed within certain specific limits.

[Read more about Celsiview on the back page](#) »

Packed with smart features.

Here are some of the many features of Celsicom's Celsiview cloud service that help you find information, structure your measurements, access easy-to-understand graphics, share measurement data – and a whole lot more.

Curve fitting

You can use this tool to create a concrete recipe using sample casts (normally standard cubes are used for this). Enter between 3 and 10 strengths measured by test pressing concrete of different ages below. Save your measurements and then press Calculate to produce a calculated trend curve that fits your measurements. When you are satisfied with the curve, press Export as concrete recipe to create a recipe that you can use for future castings.

Name: Min anpassning / My curve fitting

Notes:

Test metode: Pressure test at 20°C

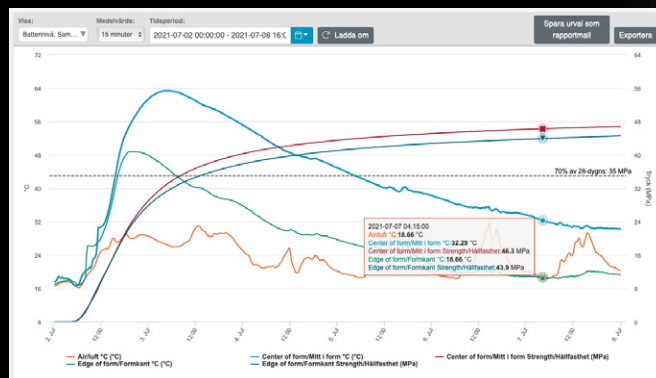
Measured value 1: [] hours MPa

Measured value 2: [] hours MPa

Measured value 3: [] hours MPa

+ Add more measuring points

Celsiview offers a variety of ready-made concrete recipes to choose from. If your recipe is not among the standard recipes, you can easily **add your own recipe** based on pressure tested concrete cubes.



In the **detailed report view**, you can easily retrieve current measurement values that can be downloaded and sent as PDF or Excel to any recipient.

celsiview Snabbsök

Min startside

Hem

Min verksamhet

Rapporter

Mätplatser

Cast job/Gjutning

Center of form/Mitt i form Strength/Hållfasthet	Edge of form/Formkant Strength/Hållfasthet	Luft
30.3 °C	19.3 °C	20.3 °C
46.8 MPa	44.6 MPa	
100 % av 28-dygns	100 % av 28-dygns	
28 dygn	28 dygn	

After logging into the home page, you will immediately see a summary of **important parameters for your active casts**.