

Measuring temperature, humidity and CO₂ in historical buildings

Museums, galleries, mansions, castles, archives, showcases, and other historical buildings and spaces.



Accurate measurement of:

- Temperature (-200 to +260 °C)
- Humidity (0 - 100 %)
- Dew point
- CO₂ (up to 10.000 ppm)
- Atmospheric pressure
- Events
- Pulses



Monitoring temperature, humidity, and dew point within the often expansive spaces of historical buildings can be challenging. If you need to monitor temperatures in various locations throughout a building and have a current overview of all measurement points in one place, implementing a comprehensive measurement system is essential.

Furthermore, the installation of this system must not disrupt the structural integrity of these buildings with cabling or similar installations.

The simplest solution is always the priority

- Completely wireless connection
- Powered by an internal battery (except of WiFi devices)
- IoT communication allows access to measurements from anywhere
- Installation can easily be done by yourself

It's simple and smart:

No need for cable installation or alteration to the building's structure. Just place the sensor at the measurement site. View the collected data from anywhere using a computer or mobile device connected to the internet. Complete records and analysis of the measured data. Set up alerts for when the readings exceed preset limits.

Mobile Dataloggers

Battery operated GSM



4G

- Nonvolatile memory for 500 000 records
- Indication of alarms via text message, 3-colour LEDs, and speaker
- Rugged design
- Long standby time on a single charge
- Logger deployment down to -20°C

LoRa - operated

IoT - enabled wireless measuring instruments



- Affordable wireless communication for long distances
- Alarm indication via email
- Rugged design
- Long battery life, up to 10 years

WiFi Interface Sensors



- Supported communication protocols
 - Modbus TCP
 - XML
 - JSON
- Alarm indicators
 - Email notifications
 - LED lights
 - Speaker alerts
- Wireless communication features



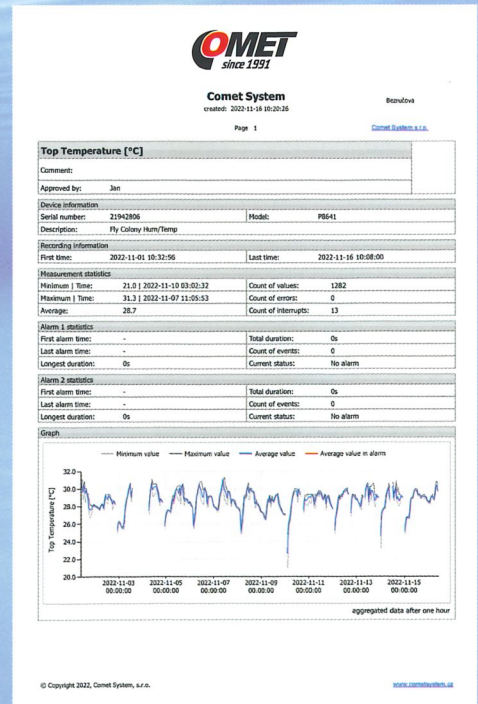
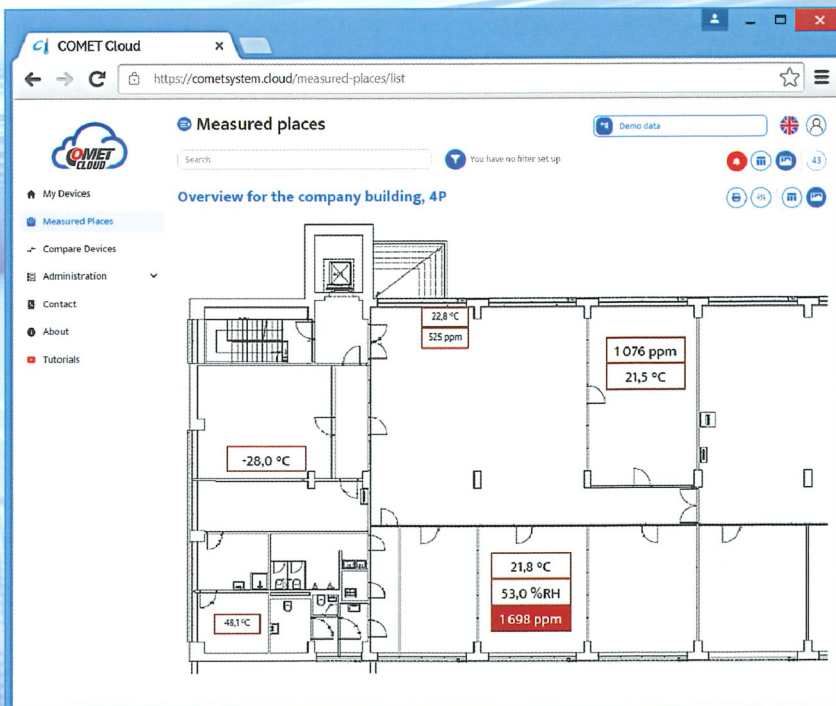
Display online or stored values in the COMET Cloud. Users have the option to switch between graphical and tabular displays, view data in a single graph or by measured channels, organize devices into groups, and assign user rights for data display.

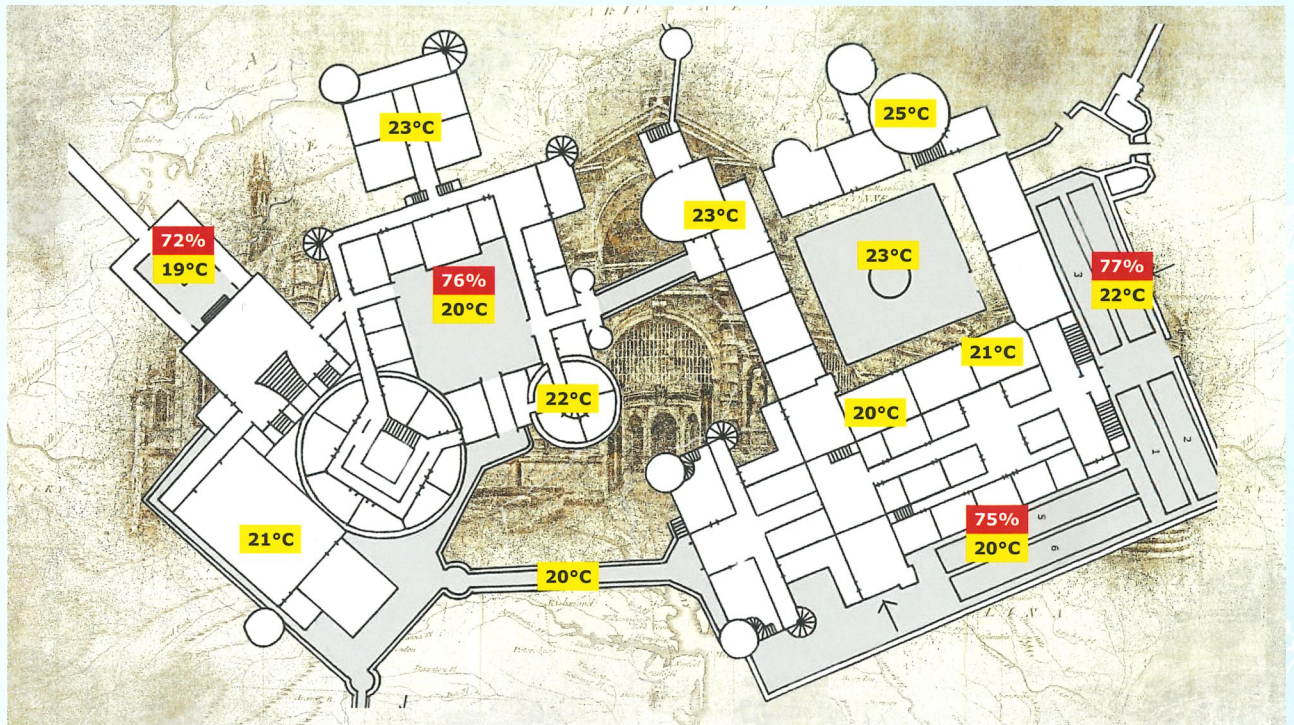


The Measured Places function enables users to position monitored quantities on an embedded image according to their distribution in the monitored space. Critical values within the alarm interval are highlighted in red and accompanied by a sound signal.



A report, which serves as a summary of information about the measured location, can be created manually or automatically.





In the COMET Cloud, you can view measurements of temperature, relative humidity, dew point, atmospheric pressure, carbon dioxide, or sensors for open doors and smoke detection



- Unlimited space for data
- Management and organization of
 - Equipments
 - Measured points
 - Users and their access rights
- E-mail alarming when
 - Exceeding alarm limits with the option define recipients according to the level of exceedance
 - A fault occurs (connection, measurement error)
- Easy report creating
- Device setup from COMET Cloud (only once a day)



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