Measuring
Recording
Online Monitoring
Regulation
Alarming

Temperature
Humidity
CO₂
Dew point
Atmospheric pressure
Analog signals
Two-state inputs
Pulses
Battery operated recorders and printers
Economical Dataloggers

- accurate measurement of
  - temperature
  - humidity
  - dew point
  - events
- nonvolatile memory for 32,000 values
- indication of alarm conditions via, SMS or visually
- software Comet Vision 2.0 for data analysis
- built-in printer (for selected models)
- communication interfaces - USB, RS232, GSM modem
- rugged design with protection up to IP67
- battery life up to 7 years

Battery operated recorders
Premium Dataloggers

- accurate measurement of
  - CO₂ (up to 50,000 ppm)
  - atmospheric pressure
  - temperature
  - humidity
  - dew point
  - current (4 – 20 mA)
  - voltage (0 – 5 V, 0 – 10 V)
  - pulses
  - events
- nonvolatile memory for 500,000 records
- visual and acoustic indication of alarm
- easy to use software Comet Vision 2.0 for data analysis
- USB-C communication interface
- rugged design
- long battery life up to 6 years
- logger deployment down to -40°C

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Battery operated GSM modem
Mobile Dataloggers

- accurate measurement of
  - CO₂ (up to 50 000 ppm)
  - atmospheric pressure
  - temperature
  - humidity
  - dew point
  - events
  - current (4 – 20 mA)
  - pulses
- nonvolatile memory for 500 000 records
- indication of alarm via text massage, 3-colour LEDs, speaker
- easy to use software Comet Vision 2.0 for data analysis
- communication interfaces - USB-C and GSM modem
- rugged design
- long battery life up to 6 years
- logger deployment down to -20°C

Replaceable antenna.

Large display for easier readability-current value, MIN/MAX value; alarm indication.

3-colour LED for alarm.

Internal T/RH sensor protected by teflon foil.

Connector USB-C for simple connection and battery charging (SMS and CO₂ loggers).

Connectors for removable and interchangeable probes.
Handheld for measuring and recording
Commeter

- measuring and recording
  - temperature (probes Pt1000, Ni1000)
  - humidity
  - dew point
  - atmospheric pressure
- accurate measurement of up to two probes
- version of the device with memory and without memory
- audible and visual indication alarm conditions
- analytical software Comet Vision 2.0 for data processing and configuration
- the possibility of setting through a keypad
- USB communication interface
- backlit display

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Battery operated 16 input-channel datalogger with Ethernet interface

Multilogger

- up to 6 hardware inputs for measuring and recording, 16 virtual channels
  - temperature (Pt1000, thermocouples)
  - humidity
  - dew point
  - atmospheric pressure
  - current 0 - 20 mA and voltage 0 - 10 V (-60 to 140 mV)
  - two-state events
  - pulses
  - CO₂ (up to 50 000 ppm)
- memory for 1 million values
- indication of alarm conditions via
  - e-mail
  - SMS
  - integrated acoustic siren
  - LEDs
  - two-state output to control other devices
- analytical software for data processing and configuration - Comet Vision 2.0
- communication interfaces - USB, RS232 and Ethernet (SNMPv1 and XML)

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Variable 16 input-channel datalogger
Monitoring system

- software configurable or modular inputs for
  - temperature sensors Pt and Ni
  - thermocouples and thermistors
  - voltage and current
  - two-state events
  - frequency and pulses
  - resistance
  - sensors with RS485 output
- memory for 500 000 records with automatic downloading to PC
- alarm indication via integrated siren, e-mail, SMS and two-state output to control other devices
- software for data analysis on PC
- communication interface USB, RS232, relays, RS485 (Modbus RTU), ETHERNET (Modbus TCP, SOAP, etc.)
Internet of things sensors
IoT-operated by Sigfox network

- accurate measurement of temperature, humidity, barometric pressure, events
- cheap wireless communication for long distances
- indication of alarm via e-mail
- data storage in the Comet cloud
- rugged design
- long battery life up to 7 years

- clear organization of multiple devices
- management of user access rights
- display of measured values in the form of a table and a graph
- warning e-mails when alarm limits are exceeded with the possibility to define the recipient according to the level of exceedance
- device status warning e-mails with the possibility to define the receiver according to the type of fault (weak battery, loss of radio link, measurement error)
- remote device setup (once a day only)

For more information visit www.cometsystem.com
Outputs 4 - 20 mA, 0 - 10 V, RS232, RS485 and relays

Sensors and regulators

- accurate measurement of
temperature
humidity
dew point
atmospheric pressure	
two-state events
CO₂
- industrial design with protection up to IP65
- integrated sensors
- with external probe
- duct mount design
- interior design
- ATEX design for potentially explosive atmospheres (zone 2) on selected models
- relays output 250Vac / 8A or 50 V on selected models
Sensors with Ethernet output
Web Sensors

- accurate measurement of
  - temperature
  - humidity
  - dew point
  - humidx
  - atmospheric pressure
  - two-state events
  - CO₂
- communication protocols
  - SNMP
  - Modbus TCP
  - SOAP
  - XML
- webserver to display current and the recorded values
- alarm indication via e-mail
- PoE on selected models
- data analysis software Comet Database

Charts of actual values can also be displayed through a Web browser. You can display up to one thousand measured values.

Remote controlling of relay via internet

Current measured values and sensor settings can be accessed directly through the web interface from your web browser.

Web browser interface

Current measured values are available on-line directly on a web browser from anywhere, all you need to do is enter the IP address. Alarms are indicated by a red field.

Recorded events

Sensor settings can also be done directly in a web browser in your PC, smartphone or tablet. All you need to do is enter the IP address of the sensor, open Settings and set up everything from communication to alarm e-mails.

Software development kit available for
- SNMPv1 protocol
- ModbusTCP protocol
- XML file values.xml
- SOAP protocol
- Syslog list

Graphs of actual values

Export measured value to file

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**Analytic and configuration software**
**COMET Vision 2.0**

- download
- analyse
- present data
- print out reports

**Storage place for all COMET devices**
**COMET Database software**

**ONLINE DISPLAY**
- Device list and device panel
- Recorded data
- Graphs by channels

**COMPATIBLE DEVICES**
- all dataloggers without printer
- Commeter
- Multilogger

**ONE CLICK INSTALL**
- Datalogger
- Commeter
- Multilogger
- Analog sensors
- MS monitoring system
- Sigfox
- RED sensors

**One software for all COMET products**
- 24 hours supervision
- unlimited data storage
- simple and clear access to your measured values
- single repository for all devices COMET
- alarm SMS texts and e-mails
- acoustic and visual signalization of alarms

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