TEMPERATURE AND ENVIRONMENT MONITORING

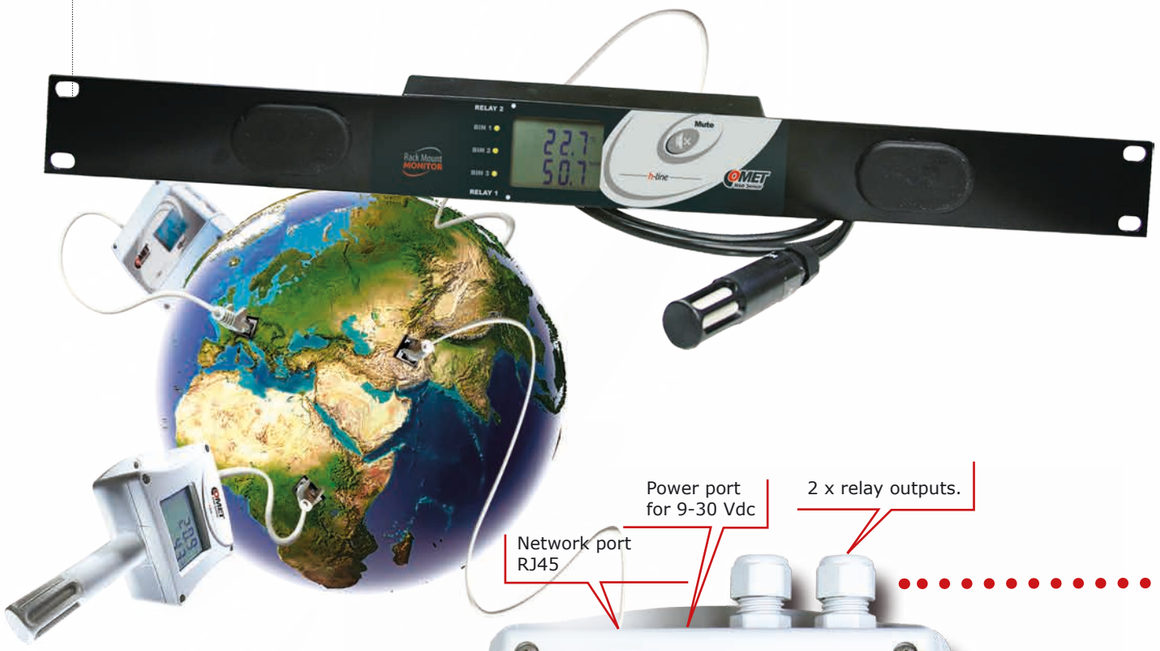
MONITORE * CONTROL * ALERT *
RECORD * ANALYZE

A Solution for every need and every budget

Offers built-in temperature and humidity sensors and allows external detectors to be added

COMET since 1991

Rack mounted design



Wall mounted design

Three inputs for detector connection- dry contact, open collector, two-state voltage signal.

smoke detector

flood detector

door contact

motion detector

Monitor

temperature, humidity, CO_2,
flood, power, smoke, room entry

Alert

allows unlimited alerts notification; notification via emails and internet protocols; allows automatic shutdowns

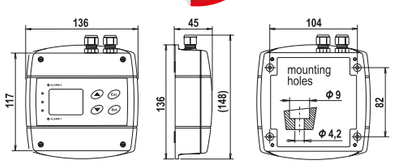
Record and Analyzation

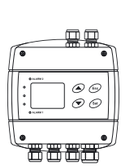
data sorage in CSV file or in the Comet Database software based on MS SQL

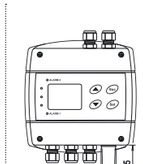
Comet Database software offers:

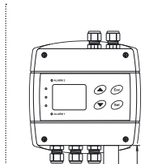
- data stored in one place and accessible
- with Comet Database Viewer
- to provide data in table and graph
- to print and export data
- alarms via SMS texts and emails
- acoustic and visual signalization of alarms
- compatibility with all Comet System devices
- and 3rd party devices
- displaying of online values

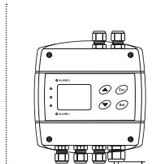
Measured values		Temperature		Temperature, relative humidity			Temperature, relative humidity, atm. pressure		Temperature, relative humidity, CO_2	CO_2		Temperature	Temperature, relative humidity
SENSOR MODEL		**H4531**	**H0530**	**H3530**	**H3531**	**H3531P**	**H7530**	**H7531**	**H6520**	**H5524**	**H5521**	**H4531R**	**H3531R**
temperature	range	-200 to +600 °C	-30 to +80 °C	-30 to +80 °C	-30 to +105 °C		-30 to +80 °C	-30 to +105 °C	-30 to +80 °C	-	-	-200 to +600 °C	-30 to +105 °C
	accuracy	±0.2 °C without temp. probe	±0.4 °C	±0.4 °C	±0.4 °C		±0.4 °C	±0.4 °C	±0.4 °C	-	-	±0,2 °C without temperature probe	±0.4 °C
relative humidity**	range	-	-	0 to 100 % RH	0 to 100 % RH		0 to 100 % RH	0 to 100 % RH	0 to 100 % RH	-	-	-	0 to 100 % RH
	accuracy	-	-	±2.5 % RH	±2.5 % RH		±2.5 % RH	±2.5 % RH	±2.5 % RH	-	-	-	±2.5 % RH
atmospheric pressure**	range	-	-	-	-		600 to 1100 hPa	600 to 1100 hPa	-	-	-	-	-
	accuracy	-	-	-	-		±1.3 hPa	±1.3 hPa	-	-	-	-	-
CO_2 ***	range	-	-	-	-		-	-	0 to 2000 ppm	0 to 2000 ppm	0 to 10 000 ppm	-	-
	accuracy	-	-	-	-		-	-	± (50 ppm+2 % of measured value)*		± (110 ppm +5 % of measured value)*	-	-

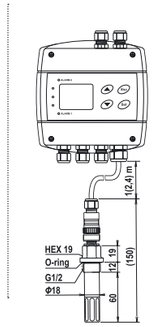


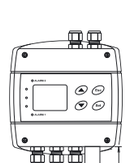


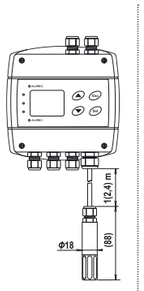


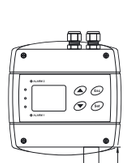


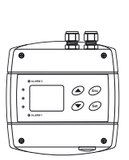


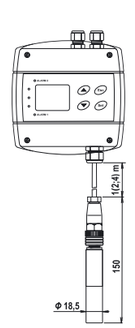


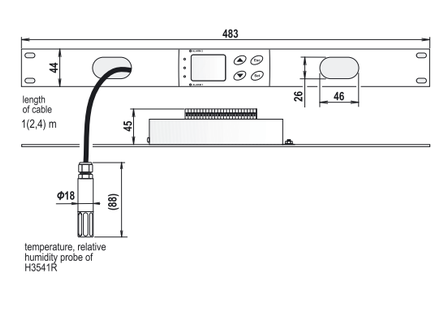












If you want to intagrate Web Sensor to your system

ModbusTCP protocol
Modbus protocol for communication with SCADA systems or third party software. Device use version of Modbus TCP protocol.

SNMP protocol
SNMP version 1 protocol for IT infrastructure. Using SNMP protocol you can read actual measured values, alarm statuses and alarm parameters. MIB tables with OID description are available.

SNMP Trap
SNMP Trap for IT infrastructure. The device allows sending Traps to selected Trap receiver server. Traps are sent in case of alarm on channel or at error states.

SOAP protocol
The device allows to send currently measured values via SOAP v1.1 protocol. The device sends values in XML format to the web server. The advantage of this protocol is that communication is initialized by the device side. Therefore it is not necessary to use port forwarding.

Syslog protocol
Syslog protocol for IT infrastructure monitoring systems. The device allows sending text messages to selected Syslog server. Messages are sent in case of alarm on channel or at error states.

SNTP protocol - time synchronization
Time synchronisation with SNTP server. Actual time is shown at web pages and is necessary for timestamps inside CSV files.

Actual values via XML
XML protocol for actual measured values reading. This protocol is suitable for Web Sensors integration into 3rd party SCADA systems.

Mounting accessories

MP047
Universal holder for probes for easy mounting to rack 19”.

Protection of sensors

F5300 - Teflon (PTFE) sensor cover (white colour), with increased resistance against splashing water, non-absorbent surface, does not rust. Porous size 25µm. Temperature range -40°C to +125°C.

F5200 - Grey sensor cover with filter from stainless steel mesh, filtering ability 0.025mm.

F0000 - Sintered bronze sensor cover. Filtering ability 0.025mm.

F8100 - Solar radiation shield for transmitters with T+RH probe on a cable.

Remote controling

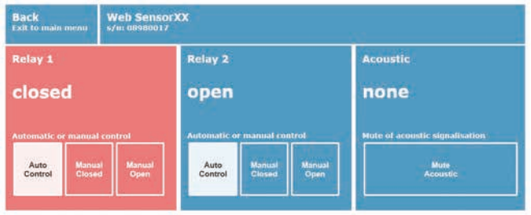
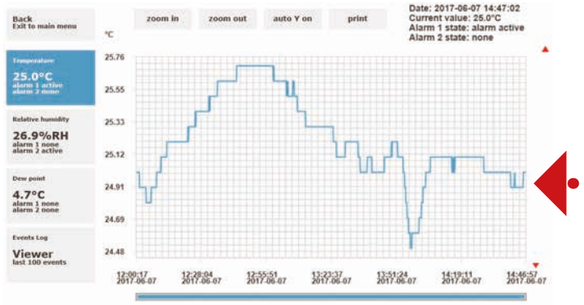
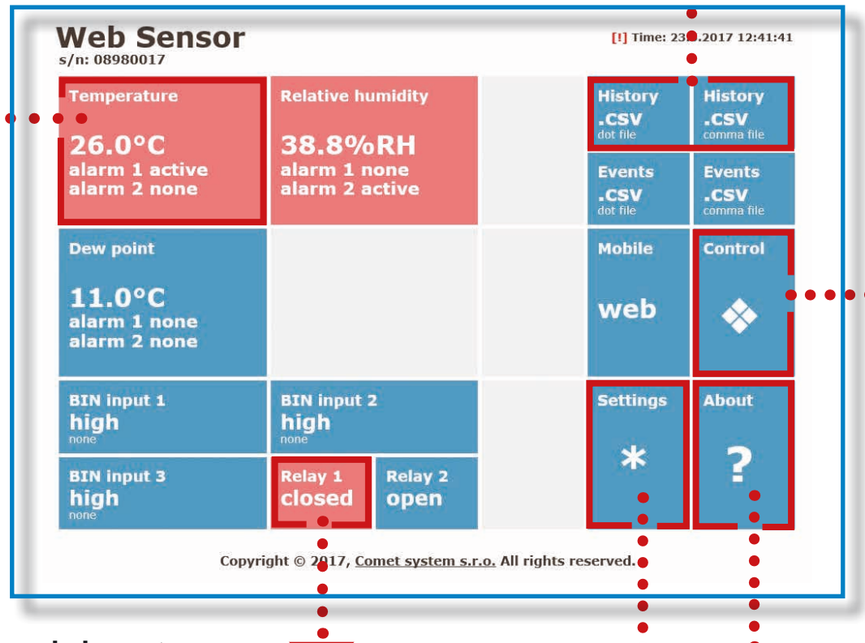


Chart with historical value

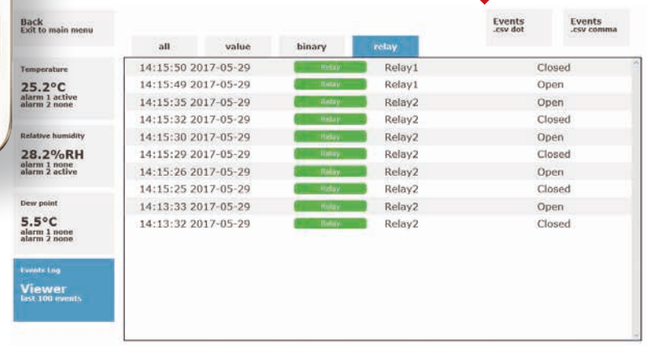


Web browser interface

Export measured value to file

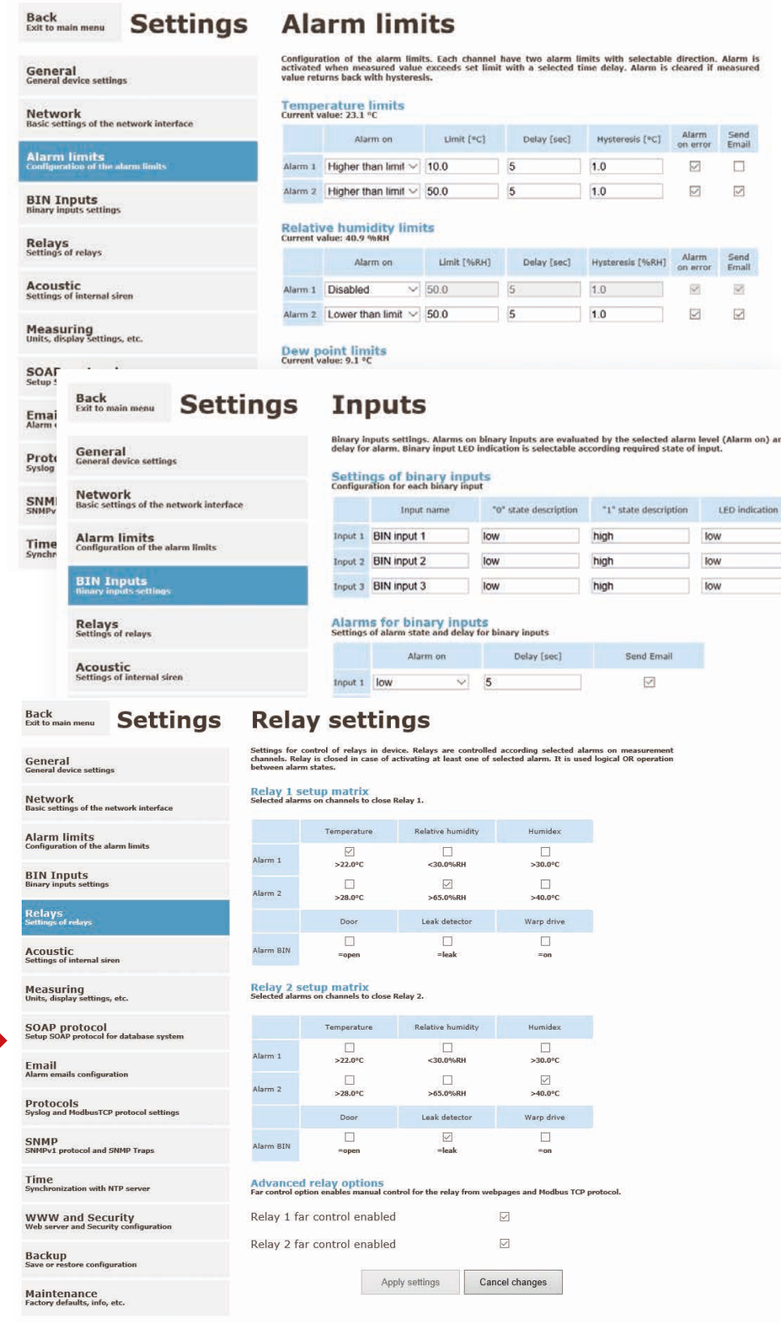


Recorded events



Software development kit available for

- SNMPv1 protocol
- ModbusTCP protocol
- XML file values.xml
- SOAP protocol
- Syslog list



Remote controling of relay via internet

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