WEB SENSORS

On-line monitoring and alarm indication

Temperature | Humidity | Dewpoint | Bar. pressure | CO₂ | Current | Events







- A solution for every need and every budget – economy and premium web sensors
- High quality, accurate and stable sensors
- Internal or external probes on the cable
- Power over Ethernet (PoE)
- Relay outputs in selected models







Applications

These days there is a high demand for on-line monitoring and uninterruptable records of different type of values. If the ethernet net has direct connection to the internet, then all data could be sent immediately around the world without the need for any additional costs.

Pharmaceuticals and laboratories

Monitoring of areas and places for storage of drugs at temperatures down to -200 °C.

Technological processes and production

Monitoring of storage conditions and production processes in the temperature range from -200 °C to + 600 °C.



Schools and interior spaces

Protect your children's health with timely control of air quality in buildings. With COMET CO₂ sensors you always see the exact CO₂ concentration.



Food industry

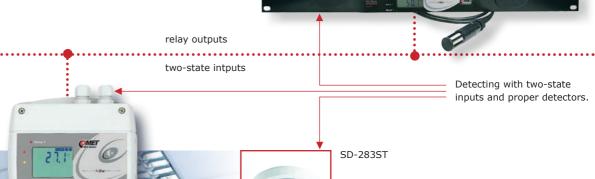
Monitoring of critical variables in relation to HACCP regulations with the possibility of immediate alert to unforeseen events that could lead to the devaluation of



Server rooms

Monitoring of conditions in the data centers and in 19" racks, including detection of the state of flooding, opening / closing doors (windows), movement and smoke, etc.















motion detector

voltage detector

www.myj-sensores.com

On-line measurement and monitoring

Temperature * Humidity * Dew point * Atm. Pressure * CO, * Current * Events

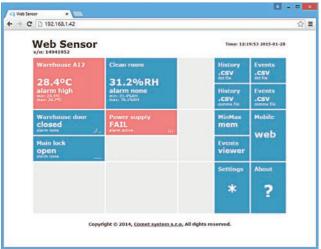
Web server, COMET Cloud or COMET Database software for processing the measured data

Continuous monitoring of critical parameters such as temperature and relative humidity can be very easily done by the help of Web Sensors. This production line consists of sensors for measuring temperature, relative humidity, CO, concentration, atmospheric pressure, events and the 4-20mA signal. The last one allows measuring other physical quantities

Measured values are accessible via powerful embedded web server or COMET Cloud which are accessible from personal computer or mobile devices like smartphones and tablets. History values can be exported for further processing by the CSV file. CSV file can be processed inside spreadsheet application like Microsoft Excel or OpenOffice Calc. CSV file can be downloaded from web pages or periodically sent as e-mail attachment.

on a web browser from anywhere, all you need to do is en- a web browser or in COMET Cloud. ter the IP address or log-in to the COMET Cloud. Alarms are indicated by a red field.

Current measured values are available on-line directly Graphs of actual values can also be displayed through



31.3%RH

← → C 192.168.1.42/ 1878 20 1878 20 1878 20 1878 20 1878 20 1878 20 1878 20 1878 20 Modern HTML5 canvas graphic component allows to use graphs from thousands of devices. It is not a problem to show graphs on tablets or smartphones. All modern web browsers are supported - Firefox, Opera, Chrome or Microsoft Edge

Web server interface



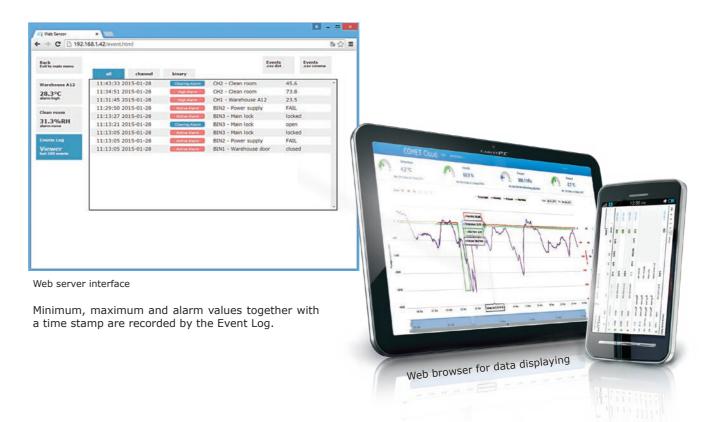


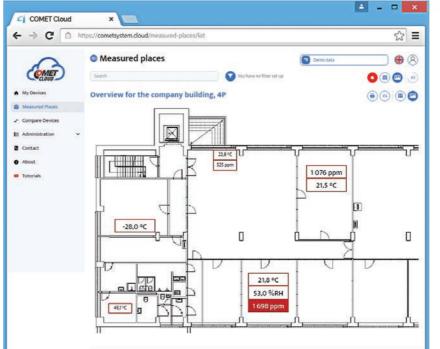
Display online or stored values in the COMET Cloud. The user has the option to switch graphic and tabular display, display data in one graph or by measured channels, organize devices into groups and assign user rights to display data.

Alarm Indication

Graphically * Remotely via e-mail * Via texts (with CDB software)

Upper and lower limits can be set for each channel. In case the limits are exceeded these critical situation is indicated remotely. It can be indicated by red field, e-mail or texts if data are transmitted to central COMET Database software. E-mails are also sent when values return back into safe range. SMTP authentication is supported, but SSL not. E-mails with CSV file attachment can be sent at selected intervals.







The Measured places function allows you to place the monitored quantities in the embedded image as they are distributed in the monitored space. The critical value in the alarm interval is displayed with a red highlight and accompanied by a sound signal.





A report, i.e. a summary of information about the measured location, can be created manually or automatically.

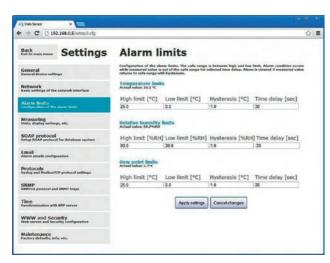
Device settings

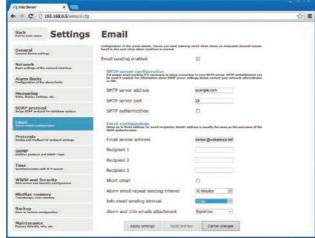
Web browser interface for settings

The device setup can be made by the TSensor software which can be downloaded for free from the manufacturer's website. The advantage of Web Sensors is possibility to providing of settings via web interface.

browser in your PC, smartphone or tablet. All you need to send warning e-mail when alarm on measured channel do is enter the IP address of the sensor, open Settings and occurs. E-mail is also sent when alarm condition is cleaset up everything from communication to alarm e-mails. red.

Sensor settings can also be done directly in a web Configuration of the alarm e-mails. Device can





Device communication

Possibility of integration to third party systems

By connecting directly to a computer network the thermometer or humidity meter can be integrated into the control systems of different manufacturers using SNMP, MODBUS TCP, SOAP, syslog. Of course data in many formats is also available, for example XML and so on.



Modbus protocol for communication with SCADA systems or third party software. Devices use Modbus TCP protocol version. Two Modbus clients can be connected to the device at one moment.



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



SNMP protocol

SNMP version 1 protocol for IT infrastructure. Using SNMP protocol you can read actual measured values, alarm statuses and alarm parameters. Via SNMP protocol is also possible to get last 1000 measured values from the history table. MIB tables with OID description are available.



SNMP Trap for IT infrastructure. Web Sensors allow sending Traps to selected Trap receiver server. Traps are sent in case of alarm on channel or at error states like unable to send e-mail, unable to deliver SOAP message, etc.



SOAP protocol

Web Sensors allow 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 for IT infrastructure monitoring systems. Web Sensors allow sending text messages to selected Syslog server. Messages are sent in case of alarm on channel or at error states like unable to send e-mail, unable to deliver SOAP message, etc.



SNTP protocol - time synchronization

Time synchronisation with SNTP server. Actual time is shown at web pages and is necessary for timestamps inside CSV files. Synchronisation interval can be set to one day or to one hour.



COMET Cloud Measured data where you need

COMET Cloud is the internet storage of data measured by COMET sensors. The data is accessible in the internet and displayed in an internet browser. Every user has the access to his account COMET Cloud protected by password. COMET Cloud enables to add sensors, creates organisational structures such sensor groups and user groups. The different rights can be set up for displaying and administration for each user.

- 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)



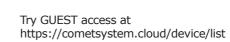
Tutorials

How to create account

How to add device

How to set role - administrator/user

How to create measured place





Database software Data storage place for COMET sensors

For users of COMET products exists a solution for data collection to one central place. It is software solution based on MS SQL and installed on customer's server or personal computer.

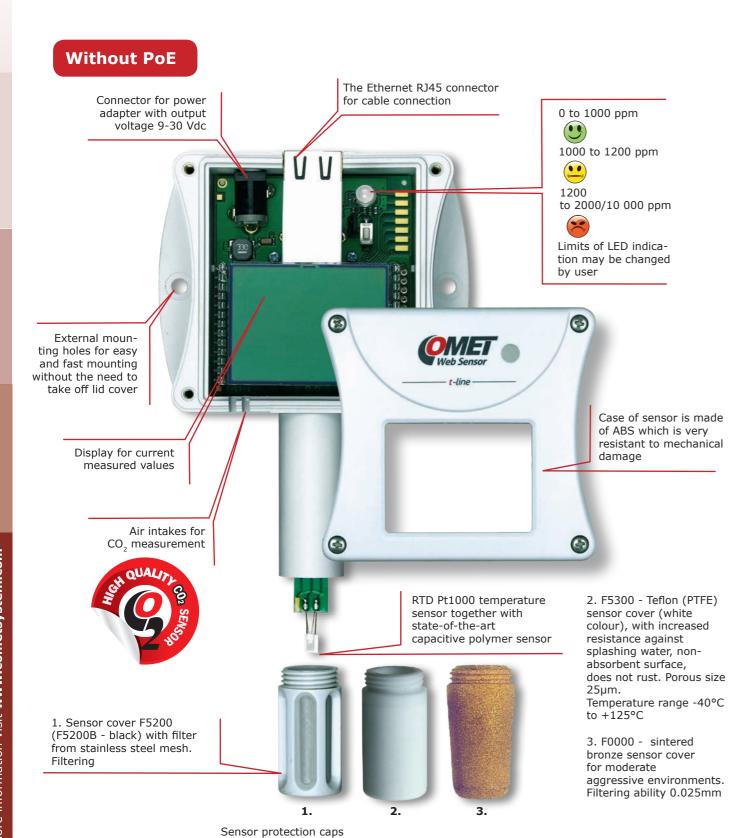
- 24 hour supervision
- unlimited data storage
- simple and clear access to your measured values
- single repository for all devices COMET
- alarm SMS texts and e-mails
- acoustic and visual signalization of alarms

COMET Database also exists in 30 days trial version. So you can test it without any worries.

Premium Web Sensors

Premium Web Sensors with Ethernet connection are designed for very accurate measurement of **temperature, relative humidity, CO₂ and barometric pressure** of air in non-aggressive environments. Measured values are according to device type. Devices with relative humidity measurement can show one of computed values: dew point temperature, absolute humidity, specific humidity, mixing ratio and specific enthalpy. Temperature units are °C or °F. Premium Web Sensor are equipped with LCD display where current values can be displayed.

Devices with **PoE** (page 10) or **relay outputs** (page 14) are also available.



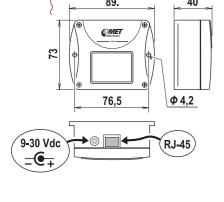
Measured v	alues	Tempe	erature	Temperature, r	elative humidity	
SENSOR MO	DDEL	T4511	T0510	T3510	T3511	T3511P
temperature range		-200 to +600 °C	-30 to +80 °C	-30 to +80 °C	-30 to +1	.05 °C
	accuracy	±0.2 °C without temp. probe	±0.6 °C	±0.6 °C	±0.4 °C	
elative humidity	range	-	-	0 to 100 % RH	0 to 100	% RH
k	accuracy	-	-	±2.5 % RH	±2.5 % F	₹Н
computed humidity	values	NO	NO	YES	YES	
supply voltage		9-30 V	9-30 V	9-30 V	9-30 V	
recommended calib nterval	oration	two years	two years	one year	one year	
protection class of with electronics	the case	IP30	IP30	IP30	IP30	
protection class of cover	the sensor	-	-	IP40	IP40	
emperature operator the case with ele		-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	
emperature operator the measuring e		-	-	-30 to +80 °C	-30 to +105 °C	
numidity operating without condensati	on	0 to 100 % RH	0 to 100 % RH	0 to 100 % RH	0 to 100 % RH	
barometric pressur range	e operating	-	-	-	-	to 2,5 MPa
76,5	φ 4,2 (RJ-45) The humidity in	range 5 % to 95 %	φ18 χς	φ 18 φ 18 oressure at 23 °C	φ 18 Pro	88 1(2:4) m
Solution for	compres	sed air measu	rements			<u></u>
SH-PP - Flow chapicture) for compreto 25 bars - stainle and outlet conrad humidity prothread screw-coup	essedairmeas ess steel DIN 1 nection - G be connectio	urement up 2 .4301 inlet 3 1/8 thre- n - G1/2 5	. sampling . closing valve . probe . flow chamber SH-PP . closing valve . outlet tube		(2;4) m	
The probe for me compressed air shon the pressure pip measurement accuse times. But ther placement is not the high air speed, pollution, small distituation can be so be into the flow more processed to the picture shows	nould be place pelines to ach uracy and fast e are cases we possible. The high temper ameter pipes placed by placed by placed easuring char	ed directly leve higher ter responsivhere such e reason is ature, high etc. Such ing the proniber.		3 4 6 6	150 110 110 110 110 110 110 110 110 110	HEX 19 O-ring G1/2 Φ18

sampling system with chamber

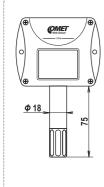
SH- PP.

info@myj-sensores.com

Measured values SENSOR MODEL		Temperature, relative humidity, atm. pressure		Atm. pressure	Temperature, relative humidity, CO ₂	CO ₂				
		T7510	T7511	T2514	T6540	T5540	T5541	T5545		
temperature	range	-30 to +80 °C	-30 to +105 °C	-	-30 to +80 °C	-	-	-		
	accuracy	±0.6 °C	±0.4 °C	-	±0.6 °C	-	-	-		
relative humidity	range	0 to 100 % RH	0 to 100 % RH	-	0 to 100 % RH	-	-	-		
**	accuracy	±2.5 % RH	±2.5 % RH	-	±2.5 % RH	-	-	-		
atm. pressure	range	600 to 1100 hPa	600 to 1100 hPa	600 to 1100 hPa	-			-		
**	accuracy	±1.3 hPa	±1.3 hPa	±1.3 hPa	-	-	-	-		
C0 ₂	range	-	-	-	0 to 2000 ppm*	0 to 2000 ppm*	0 to 10000 ppm	0 to 2000 ppm*		
***	accuracy	-	-	-	± (50 ppm+2 % of measured value)	± (50 ppm+2 % of measured value)	± (110 ppm+5 % of measured value)	± (50 ppm+2 % of measured value)		
computed humidity values		YES	YES	NO	YES	NO	NO	NO		
supply voltage		9-30 V	9-30 V	9-30 V	9-30 V	9-30 V	9-30 V	9-30 V		
recommended calil nterval	oration	one year	one year	one year	one year	five years	five years	five years		
protection class of with electronics	the case	IP30	IP30	IP30	IP30	IP30	IP30	IP30		
protection class of cover	the sensor	IP40	IP40	-	IP40	-	IP 65	IP20		
temperature opera of the case with ele		-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +60 °C	-30 to +60 °C	-30 to +80 °C	-30 to +60 °C		
temperature operating range of the measuring element		-30 to +80 °C	-30 to +105 °C	-	-30 to +80 °C	-	-40 to +60 °C	-		
humidity operating range without condensation		0 to 100 % RH	0 to 100 % RH	0 to 100 %RH	5 to 95 % RH	5 to 95 % RH	0 to 100 % RH	5 to 95 % RH		
barometric pressure operating range		-	-	-	850 to 1100 hPa	850 to 1100 hPa	850 to 1100 hPa	850 to 1100 hPa		

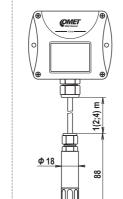


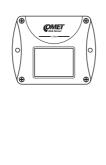
* custom range 10000 ppm for an extra fee

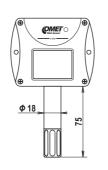


** accuracy of relative humidity in range 5 % to 95 % and of atmospheric pressure at 23 °C

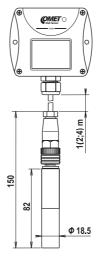
*** accuracy of CO₂ concetration of measurement at 25 °C and 1013 hPa













Φ30

Φ 18_

air flow direction

Computed values

Specific humidity Accuracy: ±2.1 g/kg at ambient temperature T < 35 °C Range: 0 to 550 g/kg

Dew point temperature

Accuracy: ±1.5 °C at ambient temperature T<25 °C and relative humidity RH >30 %, for more details see manual Range: -60 to +80 °C (-76 to 176 °F)

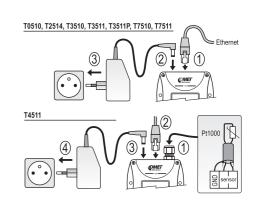
Mixing ratio

Accuracy: ±2.2 g/kg at ambient temperature T < 35 °C Range: 0 to 995 g/kg

Absolute humidityAccuracy: ±3 g/m3 at ambient temperature T < 25 °C for more details see manual Range: 0 to 400 g/m3

Specific enthalpyAccuracy: ± 4 kJ/kg at ambient temperature T < 25 °C Range: 0 to 995 kJ/kg

Device without PoE connection procedure

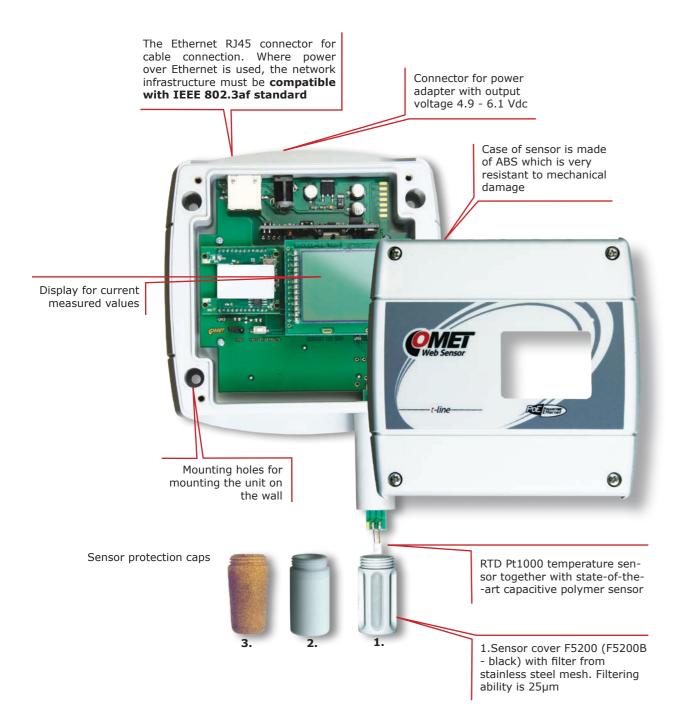




A1515 Switching power supply unit for Ethernet transmitters Tx5xx, Hx5xx.

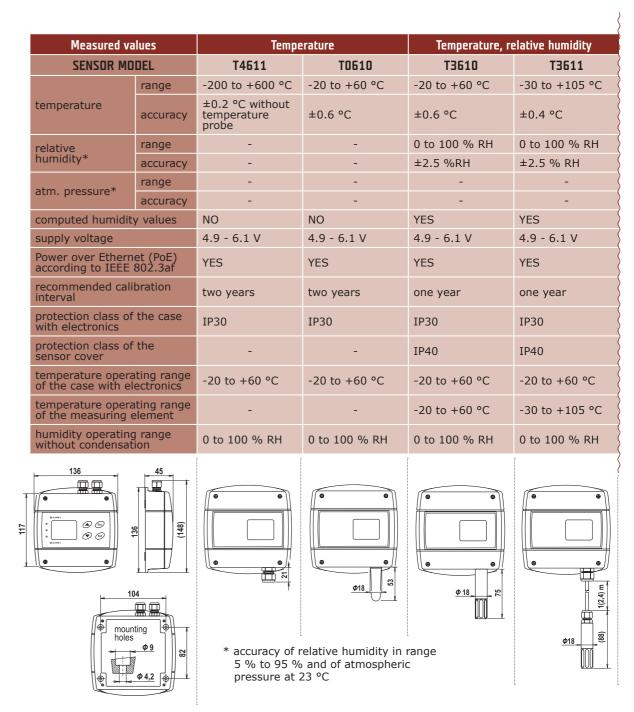
Premium Web Sensors

With PoE



2. 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

3. F0000 - sintered bronze sensor cover for moderate aggressive environments. Filtering ability 25µm



Mounting accessories for sensors with stem or external probe



PP90 – Right-angled stainless steel flange.



PP4 – plastic flat circular flange



sp004 - Plastic gland for direct mounting of the humidity probe to a 29 mm diameter hole.

Meas	ured values	Temperature	e, relative humidity, a	tm. pressure	CO ₂		Temperature relative humidity, CO ₂		
SENS	OR MODEL	T7610	T7611	T7613D	T5640	T5641	T6640	T6641	
tempera-	range	-20 to +60 °C	-30 to +105 °C	-30 to +105 °C			-20 to +60 °C	-30 to +105 °C	
ture	accuracy	±0.6 °C	±0.4 °C	±0.6 °C			±0.6 °C	±0.4 °C	
relative	range	0 to 100 % RH	0 to 100 % RH	0 to 100 % RH			0 to 100 % RH	0 to 100 % RH	
humidity*	accuracy	±2.5 % RH	±2.5 % RH	±2.5 % RH			±2.5 % RH	±2.5 % RH	
atm. pres-	range	600 to 1100 hPa	600 to 1100 hPa	600 to 1100 hPa			850 to 1100 hPa	850 to 1100 hPa	
sure*	accuracy	±1.3 hPa	±1.3 hPa	±1.3 hPa			±1.3 hPa	±1.3 hPa	
CO ₂	range				± (50 ppm+2 % of measured value)	± (100 ppm+5 % of measured value)	± (50 ppm+2 % of measured value)	± (100 ppm+5 % of measured value)	
	accuracy				2000 ppm	10000 ppm	2000 ppm	10000 ppm	
computed h	umidity values	YES	YES	YES			YES	YES	
supply volta	age	4.9 - 6.1 V	4.9 - 6.1 V	4.9 - 6.1 V	5.0 - 6.1 V	5.0 - 6.1 V	5.0 - 6.1 V	5.0 - 6.1 V	
Power over according to	Ethernet (PoE) DIEEE 802.3af	YES	YES	YES	YES	YES	YES	YES	
recommend interval	led calibration	one year	one year	one year	five years	five years	one year	one year	
protection of with electro	class of the case nics	IP30	IP30	IP30	IP30	IP30	IP30	IP30	
protection of sensor cove		IP40	IP40	IP40		IP65	IP40	IP40	
temperature of the case	e operating range with electronics	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-30 to +80 °C	-20 to +60 °C	-30 to +80 °C	
temperature of the RH se	e operating range ensor	-20 to +60 °C	-30 to +105 °C	-30 to +105 °C			-20 to +60 °C	-30 to +105 °C	
humidity op without con	erating range densation	0 to 100 % RH	0 to 100 % RH	0 to 100 % RH	0 to 95 % RH	0 to 100 % RH	0 to 95 % RH	0 to100 % RH	
	104 mounting holes	φ 18 F2	Ф (88) Ф (18 т) (1 т)			Φ 18.5.	Φ 18 Σ ²	Φ (9:2)), (88) Φ 18.5	

* accuracy of relative humidity in range 5 % to 95 % and of atmospheric pressure at 23 $^{\circ}\text{C}$

Computed values

Specific humidityAccuracy: ±2.1 g/kg at ambient temperature T < 35 °C
Range: 0 to 550 g/kg

Dew point temperature Accuracy: ±1.5 °C at ambient temperature T<25 °C and relative humidity RH >30 %, for more details see manual Range: -60 to +80 °C (-76 to 176 °F)

Absolute humidityAccuracy: ±3 g/m³ at ambient temperature T < 25 °C for more details see manual Range: 0 to 400 g/m3

Mixing ratio
Accuracy: ±2.2 g/kg at ambient temperature T < 35 °C
Range: 0 to 995 g/kg

Specific enthalpyAccuracy: ± 4kJ/kg at ambient temperature T < 25 °C Range: 0 to 995 kJ/kg

Device with PoE - connection procedure

Ethernet interface with PoE

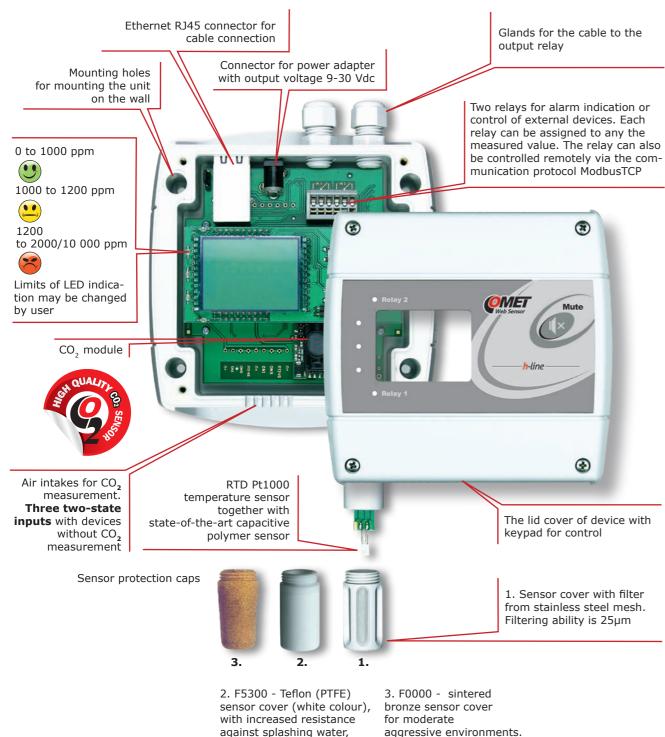


Universal holder for probes



Premium Web Sensors

With relays & three two-states inputs



non-absorbent surface, Filtering ability 25µm does not rust. Porous size

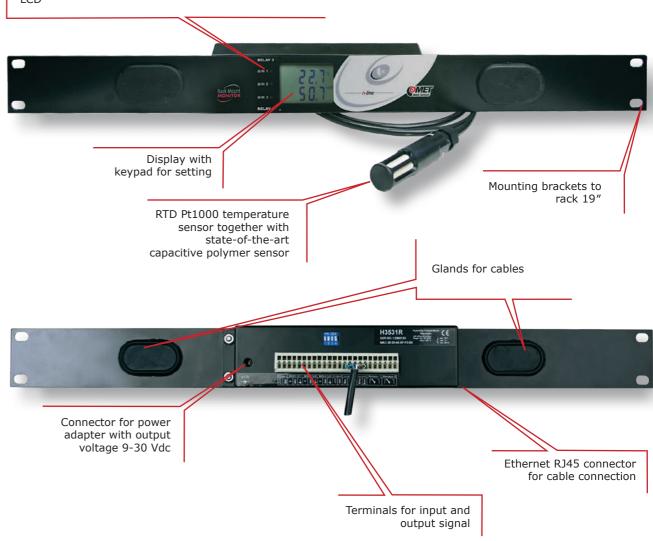
25µm.

to +125°C

Temperature range -40°C

designed for 19" rack mounting

Visualization of two - state inputs is done by three LED diodes. Each relay status is indicated with other two LED diodes described as ALARM1 and ALARM2 shown also on



Two-state detectors





LD12



SA200A

motion detector

JS-20



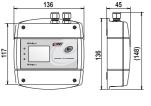
SP008

Measured values		Temperature Temp					Temperature, relative humidity, atm. pressure		CO ₂		Temperature	Temperature, relative humidity	
SENSOR MODEL	SENSOR MODEL		H0530	H3530	H3531	H3531P	H7530	H7531	H6520	H5524	H5521	H4531R	H3531R
	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
temperature	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
relative numberly	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	-	-	-	-	-
	range	-	-	-	-		-	-	0 to 2000 ppm	0 to 2000 ppm	0 to 10 000 ppm	-	-
CO ₂ ***	accuracy	-	-	-		-	-	-	± (50 ppm+2 % value)	% of measured	± (110 ppm +5 % of mea- sured value)	-	-
relay output max. switchin current, power	ig voltage,	50 V, 2 A, 60 VA	50 V, 2 A, 60 VA	50 V, 2 A, 60 VA	50 V, 2 A, 60 VA		50 V, 2 A, 60 VA	50 V, 2 A, 60 VA	50 V, 2 A, 60 VA	50 V, 2 A, 60 VA	50 V, 2 A, 60 VA	50 V, 2 A, 60 VA	50 V, 2 A, 60 VA
computed humidity values		NO	NO	YES	YES		YES	YES	YES	NO	NO	NO	YES
supply voltage		9-30 V	9-30 V	9-30 V	9-30 V		9-30 V	9-30 V	9-30 V	9-30 V	9-30 V	9-30 V	9-30 V
recommended calibration i	interval	two years	two years	one year	one year		one year	one year	one year	five years	five years	two years	one year
protection class of the case electronics	e with	IP40	IP40	IP40	IP40		IP40	IP40	IP30	IP30	IP30	IP30	IP30
protection class of the sen cover	sor	-	-	IP40	IP40		IP40	IP40	IP40	-	IP65	-	IP40
temperature operating range of the case with electronics		-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C		-30 to +80 °C	-30 to +80 °C	-30 to +60 °C	-30 to +60 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C
temperature operating range of the measuring element		-	-	-30 to +80°C	-30 to +105°C		-30 to +80 °C	-30 to +105 °C	-30 to +80 °C	-	-40 to +60 °C	-	-30 to +10 5°C
humidity operating range condensation	without	0 to 100 % RH	0 to 100 % RH	0 to 100 % RH	0 až 100 % RH		0 to 100 % RH	0 to 100 % RH	0 to 95 % RH	5 to 95 % RH	0 to 100 % RH	0 to 100 % RH	0 to 100 % RH
barometric pressure operarange	ting	-	-	-	-	up to 2.5 MPa	-	-	850 to 1100 hPa	850 to 1100 hPa	850 to 1100 hPa	-	-

^{*} Custom range 10000 ppm for an extra fee

** accuracy of relative humidity in range 5 % to 95 % $\,$ and of atmospheric pressure at 23 °C $\,$

*** accuracy of ${\rm CO_2}$ concetration of measurement at 25 °C and 1013 hPa

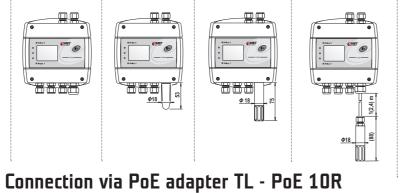


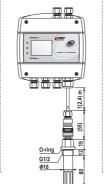


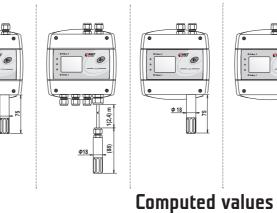


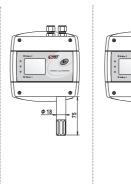


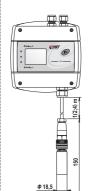


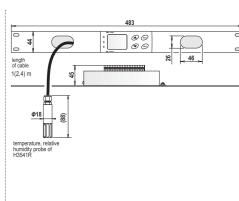




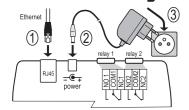








Electrical wiring



Specific humidityAccuracy: ±2.1 g/kg at ambient temperature T < 35 °C
Range: 0 to 550 g/kg

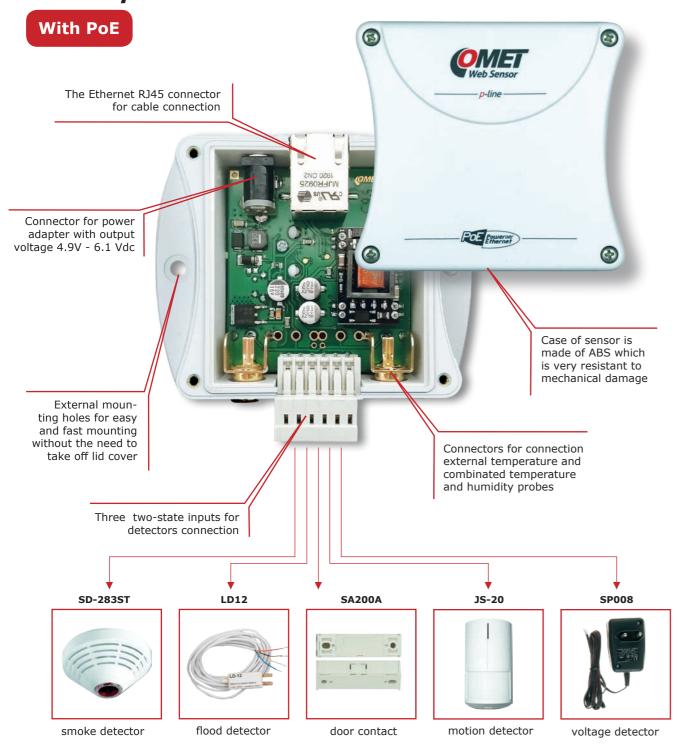
Dew point temperature Accuracy: ±1.5°C at ambient temperature T<25°C and relative humidity RH >30 %, for more details see manual Range: -60 to +80 °C (-76 to 176 °F)

Absolute humidity Accuracy: ±1.5 g/m³ at ambient temperature T < 25 °C for more details see manual Range: 0 to 400 g/m³

Mixing ratio
Accuracy: ±2 g/kg at ambient temperature T < 35 °C
Range: 0 to 995 g/kg

Specific enthalpy
Accuracy: ± 3 kJ/kg at ambient temperature T < 25 °C
Range: 0 to 995 kJ/kg

Economy Web Sensors



Sensor models:

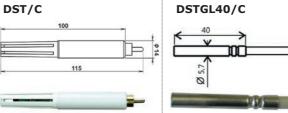
MEASURED VALUES	without PoE**	with PoE**	
temperature	P8510	P8610	
temperature + relative humidity*	P8511, P8541	P8641, P8611	
temperature + relative humidity* + two - state inputs	P8552	P8652	
0-20mA (4-20 mA)	P2520		

^{*} With the attached temperature and humidity probe - type DSRH (max. length 10 metres)

External digital temperature probes

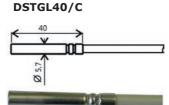
Temperature probes on the cable are designed to measure the temperature in specific applications. Probes are supplied in lengths of 1, 2, 5 and 10 meters (15 and 20 meters for DSTR162/C). The maximum sum of the lengths of all probes is 40m which can be connected to one device.

Fast response air probe with without protection against moisture.



range (0°C to +50°C) accuracy ±0.5°C

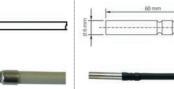
Multi-purpose watertight probe with IP67.



range (-30°C to +80°C accuracy ±0.5°C from -10°C to +80°C; otherwise ±2°C

Universal temperature watertight probe for monitoring higher temperature.

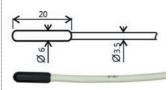
DSTG8/C



range (-50°C to +125°C accuracy ±0.5°C from -10°C to +80°C; otherwise ±2°C

Inexpensive probe with plastic housing, slow response and with IP67.

DSTR162/C



range (-30°C to +80°C accuracy ±0.5°C from -10°C to +80°C; otherwise ±2°C

External temperature probes

Fast response probe without protection against moisture.

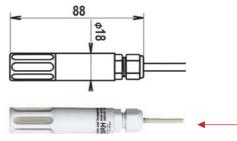




range (0°C to +50°C) accuracy ±0.5°C range (0 to 100 % RH) accuracy ±3.5 % RH

The external probe with cable lenght 1,2,5 and 10 meters. The probe with interchangeable sensor

External temperature and humidity



DSRH

temperature range (0°C to +50°C) accuracy ±2°C humidity range (0 to 100 % RH) accuracy ±3.5 % RH

DSRH+

temperature range (0°C to +50°C) accuracy ±0,5°C humidity range (0 to 100 % RH) accuracy ±3.5 % RH



F5300 - Teflon (PTFE) sensor cover (white colour), with increased resistance against splashing water, non-absorbent surface, does not rust. Porous size 25µm.



F0000 - sintered bronze sensor cover for moderate aggressive environments. Filtering ability 25µm.



F5200 - sensor cover with filter from stainless steel mesh, suitable for moderately dusty environment.

^{**} Please see page 20 - 21 for sensor specification

Measured values		Temperature	Tei	mperature, relative hum	nidity	Current - mA	Solution for third party sensors				
SENSO	OR MODEL	P8510/ P8610	P8511/P8611	P8541/P8641	P8552/P8652	P2520	P2520 two channel current loop converter is de				
tomporaturo	range	-30 to +80 °C/ -20 to +60 °C	according to the used probe*	according to the used probe*	according to the used probe*	-	to connect sensors with output 4-20mA / 0-20 n Ethernet network. The current signal can be recal				
temperature	accuracy	±0.8 °C (> -10 °C) ±2 °C (< -10 °C)	according to the used probe*	according to the used probe*	according to the used probe*	-	to physical values measured by the connected s Sensors can be powered directly from the				
relative	range	-	according to the used probe*	according to the used probe*	according to the used probe*	-	converter. >> Measured values can be read by means of				
humidity	accuracy	-	according to the used probe*	according to the used probe*	according to the used probe*	-	Ethernet connection. The instrument may also send a warning				
two - state inpisolation	put, no galvanic	-	-	-	3	-	message if the measured value exceeds adjusted limit.				
configuration Voltage input		-	-	-	YES	-	The device setup can be made by the www interface.				
current measu	uring range	-	-	-	-	0-25mA(max.30mA)					
accuracy of cu measurement		-	-	-	-	±0.1 % FS from (0 °C do +50 °C) ±0.3 % FS from (-30 °C do+80 °C)	P2520				
resolution		-	-	-	-	1uA	CONET Web Sensor				
input impedan	nce	-	-	-	-	20Ω	p-line —				
supply voltage	е	9-30 V / 4,9 - 6,1V	9-30 V / 4,9 - 6,1V	9-30 V / 4,9 - 6,1V	4,9 - 6,1V	9-30 V					
power over Et according to I	thernet (PoE) EEE 802.3af	- / YES	- / YES	- / YES	- / YES	-					
recommended interval	calibration	two years	according to the used probe*	according to the used probe*	according to the used probe*	two years					
protection class with electronic		IP30	IP30	IP30	IP30	IP30					
temperature of the case with	pperating rangeof electronics	-30 to +80 °C / -20 to +60 °C	-30 to +80 °C / -20 to +60 °C	-30 to +80 °C / -20 to +60 °C	-20 to +60 °C	-30 to +80 °C	nput nput nput				
humidity oper without conde		0 do 100 % RV	0 do 100 % RV	0 do 100 % RV	0 do 100 % RV	0 do 100 % RV	signal input 0 - 20 mA signal input 0 - 20 mA				
89 (MET Max M	40 40 40 40 41,2	# CMET B O O O O O O O O O	©MET O	©MET O	© CMMET O	(F)	40				
MP047				Sv su Se	1825 witching power upply unit for Web ensors P8xxx and 6xx.		MP046 Universal holder for P8xxx and Tx5xx Web Sensors for easy mounting to rack 19".				

Solution for third party sensors

onverter is designed OmA / 0-20 mA into I can be recalculated connected sensors. from the P2520

- ans of
- rning eeds
- ne www

Sample of connection of an analog sensor to Ethernet network.

Installation of temperature and humidity sensors for explosive (Ex)





Universal holder for probes for easy mounting to rack 19".

WEB SENSORS

On-line monitoring and alarm indication Temperature | Humidity | Dewpoint | Bar. pressure | CO₂ | Current | Events



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