

# Economy Web Sensor



O/I

TWO-STATE



ETHERNET



- Accurate measurement capabilities for:
  - Temperature ranging from 0°C to +50°C
  - Humidity
- Supported communication protocols:
  - SNMP
  - Modbus TCP
  - SOAP
  - XML
- Webserver functionality to display both current and recorded values
- Alarm notifications via email
- Integration with detectors for smoke, flood, motion, and door security
- Two-state inputs



CLOUD

OMET CLOUD



OMET DATABASE SOFTWARE

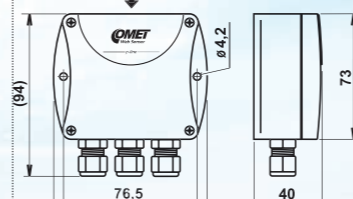
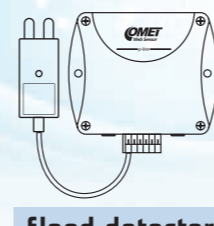
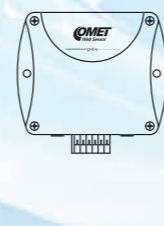
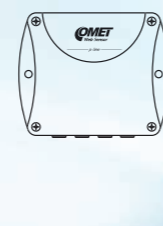
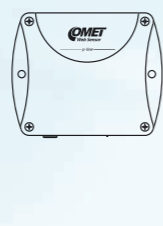
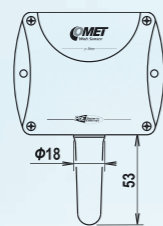
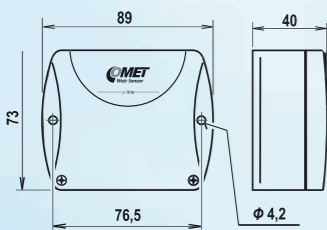


INTEGRATION

product catalog  
for web sensors



Measured values		Temperature	Temperature, relative humidity				Current - mA
SENSOR MODEL		P8510 / P8610	P8511 / P8611	P8541 / P8641	P8552 / P8652	P8653	P2520
temperature	range	-30 to +80 °C / -20 to +60 °C	according to the used probe				-
	accuracy	±0.8 °C (> -10 °C) ±2 °C (< -10 °C)					-
relative humidity	range	-	-	-	-	-	
	accuracy	-	-	-	-	-	
two - state input, no galvanic isolation		-	-	-	3	2 + flood detector	-
configuration Dry contact/ Voltage input		-	-	-	YES	YES	-
current measuring range		-	-	-	-	-	0-25mA(max.30mA)
accuracy of current measurement		-	-	-	-	-	±0.1 % FS from (0 °C do +50 °C) ±0.3 % FS from (-30 °C do+80 °C)
resolution		-	-	-	-	-	1uA
input impedance		-	-	-	-	-	20Ω
supply voltage		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	4,9 - 6,1V	9-30 V
power over Ethernet (PoE) according to IEEE 802.3af		NO / YES	NO / YES	NO / YES	NO / YES	YES	NO
protection class of the case with electronics		IP30	IP30	IP30	IP30	IP30	IP30



**Flood detector**  
2,5 m



**MP047**  
Universal holder for probes  
for easy mounting to rack 19".



**A1825**  
Switching power  
supply unit for Web  
Sensors P8xxx and  
Tx6xxx.

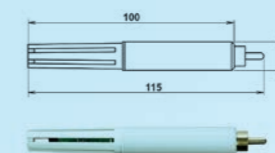


**MP046**  
Universal holder for P8xxx  
and Tx5xx Web Sensors for  
easy mounting to rack 19".

## External temperature and humidity probes

Fast response probe without protection against moisture.

### DSRH/C



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



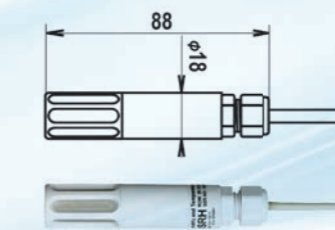
**F5300** - Teflon (PTFE)  
sensor cover (white colour),  
with increased resistance  
against splashing water, non-  
absorbent surface, does not  
rust. Porous size 25µm.  
Temperature range -40°C to  
+125°C.



**F0000** - Sintered bronze  
sensor cover for moderately  
aggressive environments.  
Filtering ability of 25µm.



**F5200** - Sensor cover with  
stainless steel mesh filter,  
suitable for moderately  
dusty environments. Filtering  
ability of 0.025 mm.



### DSRH+

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

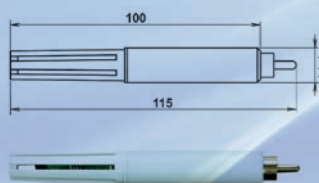
The external  
probe with cable  
length 1,2,5 and  
10 meters. The  
probe with inter-  
changeable sensor  
covers.

## External digital temperature probes

Temperature probes on cables are tailored for specific applications, available in lengths of 1, 2, 5, and 10 meters, with 15 and 20 meters options for the DSTR162/C model. The total combined length of all probes connected to a single device should not exceed 40 meters.

Fast response air probe without moisture protection.

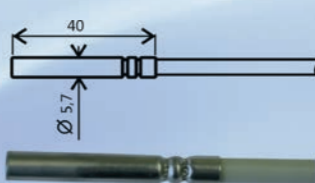
### DST/C



range (0°C to +50°C)  
accuracy ±0.5°C

Multipurpose, watertight probe rated at IP67.

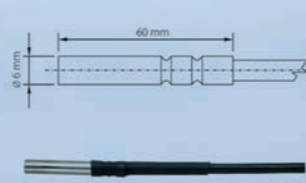
### DSTGL40/C



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 temperatures.

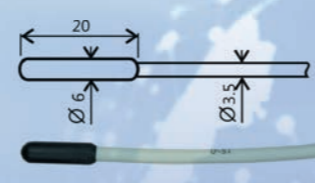
### DSTG8/C



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

An inexpensive probe with a plastic housing, slow response, and an IP67 rating.

### DSTR162/C



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

### P2520

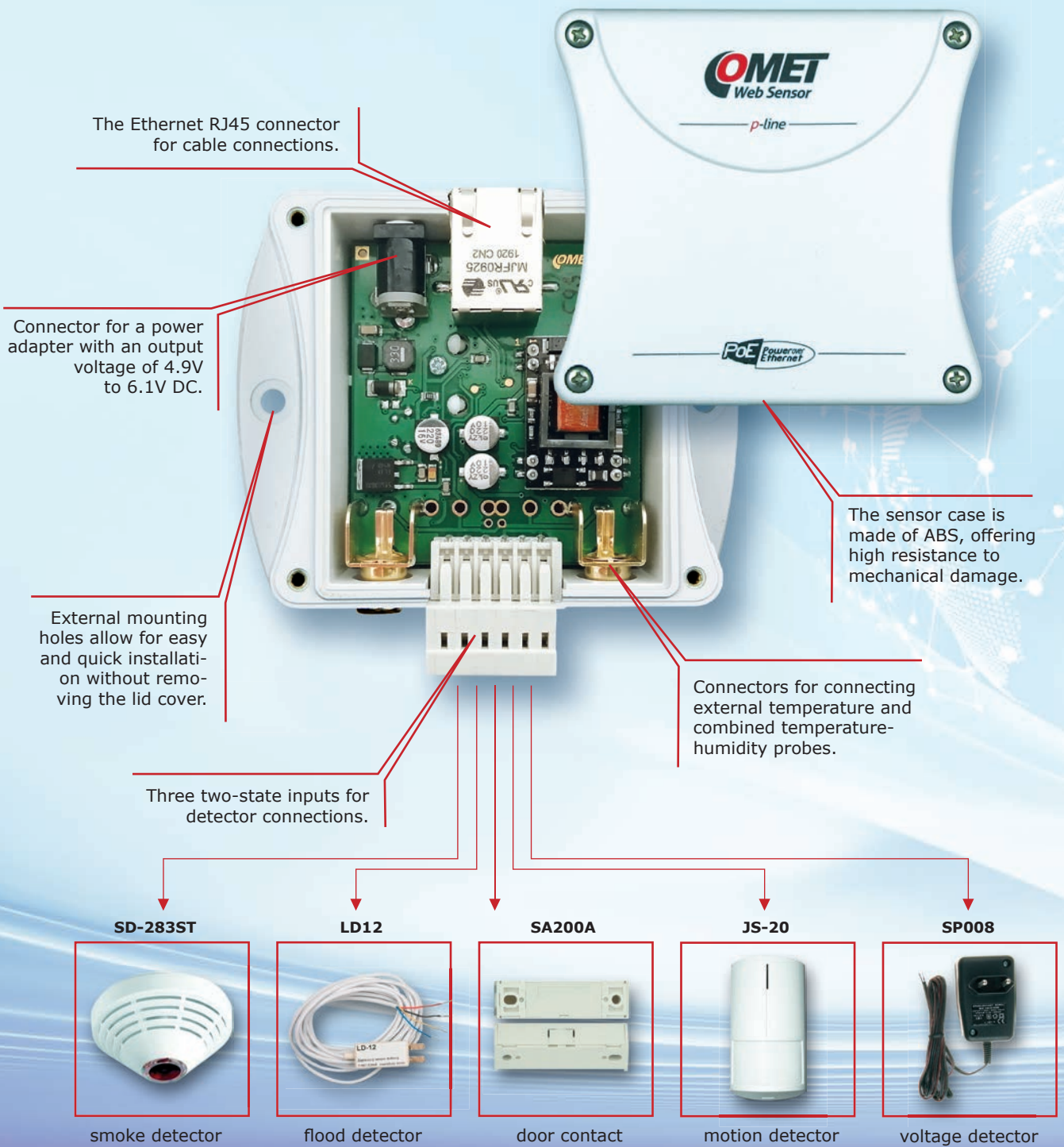


signal input  
0 - 20 mA  
signal input  
0 - 20 mA

## Solution for third-party sensors.

The P2520 two-channel current loop converter is designed to connect sensors with an output of 4-20mA / 0-20mA to an Ethernet network. The current signal can be recalculated to physical values measured by the connected sensors. Sensors can be powered directly from the P2520 converter.

- » Measured values can be read via an Ethernet connection.
- » The instrument can also send a warning message if the measured value exceeds an adjusted limit.
- » Device setup can be done through the web interface.



-   
Modbus
-   
XML
-   
SNMP
-   
Trap
-   
SOAP
-   
Syslog
-   
SNTP

## Device communication

Capability for integration with third-party systems.

By directly connecting to a computer network, the thermometer or humidity meter can be integrated with various manufacturers' control systems via protocols such as SNMP, MODBUS TCP, SOAP, and syslog. Additionally, data is available in multiple formats, including XML.