













Operates on the Sigfox network for wireless connectivity

Features a large display for enhanced readability, showing the current value, minimum/maximum values, and alarm indications.

> Operates on battery power, utilizing a 3.6 V AA-size battery, with the POWER version of the product featuring a replacement 3.6V lithium battery of size C.

> > Your measured data into COMET Cloud



Antenna.

Data is transmitted to the COMET Cloud for storage and analysis.



- Accurate measuring of
  - Temperature
  - Humidity
  - Barometric Pressure
  - Events
  - CO.
- Affordable wireless communication for long distances
- Alarm indication via email
- Data storage in the COMET Cloud
- Rugged design
- Long battery life, up to 10 years

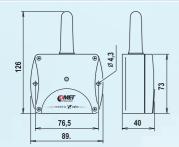
product catalog





### Temperature wireless measurement

MEASURED VALUES		Temperature							
SIGFOX SENSOR MODELS			W0810	W0811	W0832	W0810P	W0832P	W0841	W0841E
	internal	range	-30 to +60 °C	-	-30 to +60 °C	-30 to +60 °C	-30 to +60 °C	-90 to +260 °C	-90 to +260 °C
temperature		accuracy	±0.4 °C		±0.4 °C	±0.4 °C	±0.4 °C	±0.2°C *	±0.2°C *
temperature	external	range	-	-90 to +260 °C	-90 to +260 °C	-	-90 to +260 °C	-	-
		accuracy		±0.2°C *	±0.2°C *		±0.2°C *	-	-
sending interval / typical battery life			1 h /1.5 year			1 h / 6 year		1 h / 5 year	
Protection class rating			IP65						









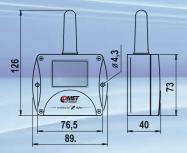


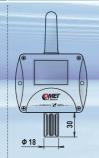




# Humidity and barometric pressure wireless measurment

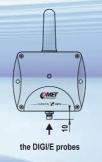
MEASURED VALUES				Temperature, ro	Temperature, relative humidity, atm. pressure			
SIGFOX SENSOR MODELS			W3810	W3811	W3810P	W3811P	W7810	W7811
	internal	range	-30 to +60 °C	according to the probe	-30 to +60 °C	according to the probe	-30 to +60 °C	according to the probe
temperature		accuracy	±0.4 °C		±0.4 °C		±0.4 °C	
temperature	external	range			-			
		accuracy			-			
rolativo humidity	elative humidity		0 to 100 % RH		0 to 100 % RH	±1.8% RH **	0 to 100 % RH	
relative numbers			± 1.8% RH **	± 1.8% RH **	±1.8% RH **		±1.8% RH **	± 1.8% RH **
dew point		range ***	-60 to +60 °C	according to the probe	-60 to +60 °C		-60 to +60 °C	according to the probe
barometric pressure		range	-				600 to 1100 hPa	600 to 1100 hPa
		accuracy					±1.3 hPa	±1.3 hPa
sending interval / typical battery life			1 h /1.5 year		1 h / 6 year		1 h /1.5 year	















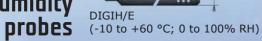
\* accuracy of device w/o probe in measuring range of -90 to 100 °C (in range +100 to +260 °C is accuracy  $\pm 0.2$  % of measured value) \*\* Accuracy of sensing element; from 0 to 90 %RH at 23 °C

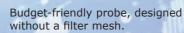
\*\*\* for accuracy of dew point see graps at device manual

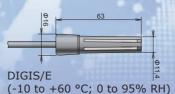
Additional probes can be found on the Comet System website at www.cometsystem.com

External temperature humidity

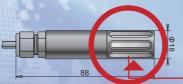
Ultra thin digital probe.







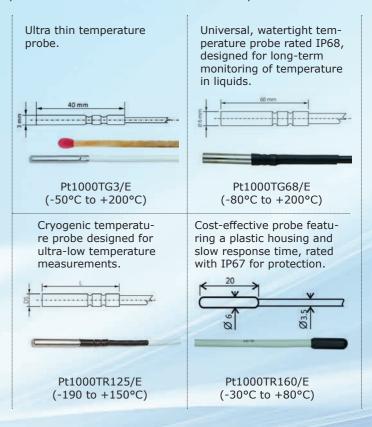
Probe designed with an interchangeable protection filter.



(-30 to +105 °C; 0 to 100% RH)

## **External temperature probes**

Temperature probes attached to cables are specifically designed for measuring temperatures in certain applications. These probes are available in lengths of 1, 2, 5, and 10 meters. To ensure high-precision measurements, it is not recommended to use probes that exceed 20 meters in length. Unless otherwise specified, the probes are manufactured to Class A accuracy standards.



### Sensor covers for external probes

F5300 - Teflon (PTFE) sensor cover (white color), featuring increased resistance against splashing water, a non-absorbent surface, and rust-free properties. Porous size: 25µm. Temperature range: -40°C to +125°C.

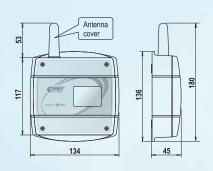
F0000 - Sintered bronze sensor cover for moderately aggressive environments. Filtering ability: 0.025mm.

F5200 (F5200B - black) -

Sensor cover with a stainless steel mesh filter. Filtering ability: 0.025mm.

# $CO_2$ wireless measurement

MEASURED VALU	ES	Temperature relative humidity, CO <sub>2</sub>			
SIGFOX SENSOR MODELS		W6810	W8810		
to an amount was	range	-20 to +60 °C	-20 to +60 °C		
temeprature	accuracy	±0.4 °C	±0.4 °C		
rolativa humiditu	range	0 to 95 %RH			
relative humidity	accuracy	±1.8% RH **	-		
dew point temeprature measuring ra	nge ***	-60 to +60 °C			
60	range	0 to 5000 ppm			
CO <sub>2</sub>	accuracy	± (50 ppm + 3 %	of measured value)		
sending interval /typical battery life		1h / 6 years			
class of protection of case with electronic	ronics / sensors	IP20 / -	IP20 / -		







- \* accuracy of device w/o probe in measuring range of -90 to 100 °C (in range +100 to +260 °C is accuracy  $\pm$ 0,2 % of measured value) \*\* Accuracy of sensing element; from 0 to 90 %RH at 23 °C
- \*\*\* for accuracy of dew point see graps at device manual

## Voltage, two-state signals, and pulses are monitored wirelessly

	MEASURED VALUES SIGFOX SENSOR MODELS		Temperature, two-state	Voltage	Pulses	
			W0850	W0870P	W0854P	
	temperature	range	-30 to +60 °C	-30 to +60 °C	-30 to +60 °C	
	(internal)	accuracy	±0.4 °C	±0.4 °C	±0.4 °C	
	two-state input		2 x	-	-	
	voltage	range	_	-30 to +60 Vss	-	
	voltage	accuracy	<del>-</del>	±0.3 V		
	counter		-	-	1x absolute; 1x relative	
	sending interval / typical battery life		1h / 1.5 years	1h / 6 years	1h / 6 years	
	class of protection of case with electronics		IP65	IP65	IP65	
20 0 0 E F F S S S S S S S S S S S S S S S S S		Cable length 1m	Cable lenght 1.5 m	Cable lenght 1.5 m		