

## IoT-termometer & hygrometer för extern givare, SigFox

Art nr: W3811P



The device measures the temperature and humidity from an external probe on the cable - you can [choose it from an optional accessory](#). The sensor is characterized by a simple and compact design with the possibility of installation directly into the measured space. Model with external cable probe is also suitable for measurements in areas where the risk of poor reception sigfox. The probe can be placed at the measurement point and the device itself where is able to reach a better signal. The probe length must not exceed 30 meters. The probe can be used [with a suitable sensor cap](#) even in more demanding conditions.

The measured values are sent in an adjustable time interval (10 min to 24 h) by radio transmission in the [Sigfox network](#) to the [COMET Cloud](#), from which the user can view them using a personal computer or mobile device.

The instrument can monitor up to 2 alarm limits of the measured variable. Exceeding these limits is indicated by sending an emergency message. COMET Cloud transmits this alarm message via e-mail to the selected user. The device is suitable for applications that tolerate the delay of information delivered by Sigfox (max. 10 min).

- wireless transmission of measured values and alarm states
- battery power (battery life 1 year to 10 years)
- LED indication of device status
- remote setting of the device from COMET Cloud (maximum once a day)
- IP65
- traceable calibration certificate in accordance with EN ISO / IEC 17025

### **The availability of Sigfox network in a particular location**

[Check your Sigfox network availability](#) before you buy your device. COMET devices in the Sigfox network can be used anywhere in the RC1 zone. Learn more about [Sigfox \(RC\) Radio Zones](#).

### **Tekniska specifikationer**

Mätområde temperatur	Beror på vald givare
Noggrannhet temperatur	Beror på vald givare
Upplösning temperatur	0.1°C
Responstid temperatur t90 (steg om 20°C vid luftflöde 1m/s)	Beror på vald givare
Mätområde luftfuktighet	Beror på vald givare
Noggrannhet luftfuktighet	Beror på vald givare
Responstid luftfuktighet t90 (steg om 30%RH vid konstant temperatur)	Beror på vald givare
Mätområde daggpunkt	Beror på vald givare

Noggrannhet daggpunkt	Beror på vald givare
Sändningsintervall	Justerbart 10 min, 15 min, 20 min, 1 h, 3 h, 6 h, 12 h, 24 h
Radiofrekvens	868 MHz
Max sändareffekt	25mW
Sigfox strålningsklass	0U
Konfigurerad för radiozon	RC1 (fungerar i Europa, Iran, Oman och Sydafrika)
Typisk räckvidd	50 km på landsbygd, 3 km i stadsmiljö
Matning	Litiumbatteri 3.6 V, C
Kapslingsklass	IP65
Dimensioner	126 x 89 x 40mm
Vikt inkl. batteri	190g
Garanti	3 år