

## Wireless RFID Sensor

### PUCK RHT

Ref. IDF2572



## Wireless relative humidity and temperature sensor

**Your heavy-duty wireless sensor for all your environmental monitorings**

- 🕒 **High transmission range: 150 meters (open field)**
- 🕒 **Lifecycle: up to 10 years**
- 🕒 **Robust industrial casing**
- 🕒 **Indoor applications**
- 🕒 **User-definable Tag's Identifier (RW)**

Technical Specifications	
Battery's power supply	3.6 VDC - Non-rechargeable Li-SOCI2 Internal battery
Frequency	433.92 MHz
Sensor Frame Length	ID code on 12 bits + Measurement Value on 12 bits (either humidity or temperature)
Sensor Frame Format	Transmitted code = <b>8XXYYY</b> (temperature) or <b>9XXZZZ</b> (humidity) 8XX: Identifier code from 8E0 to 8FF(hexa) for Temperature 9XX: Incremented ID code for Humidity YYY: Temperature data (hexa) ZZZ: Humidity data (hexa) Temperature and Humidity Frames transmitted successively, spaced of 35ms
Settings & configuration	By SCIEL PROG IR tool and ERW configuration software
ID Transmission Cycle	From 200ms to 10hours by programming
Indicative Lifecycle	10 years (depending of transmission rate)
Battery level management	ID code for Low level of Battery (configurable) in alternated emission with the Tag's ID code

Technical Specifications	
<b>Humidity Sensor</b>	
Range	0 to 100%RH
Resolution	0.04%RH
Accuracy	±2%RH max from 20% to 80%, ±5%RH max from 0 to 100%
Hysterisis	±1%RH
<b>Temperature Sensor</b>	
Range	-40°C to +85°C
Resolution	0.0625°C
Accuracy	±0.4°C max from 0°C to 60°C, ±1.2°C for the remaining range
Housing	Ø 57mm base – thickness 18mm – Indoor applications – Weight 36g DELRIN (POM C) material – Food Grade (90/128/EEC) 2 mounting Ø 3mm holes, spaced of 49mm
Standards	EN 301 489-3: 2002 V1.4.1; EN 300 220-2007: V2.1.2; CE Mark; RoHS certified
Accessory	PUCK HOLDER (ACIOM117)



**PUCK RHT with its  
PUCK HOLDER**