






Wireless RFID Sensor

COIN RH

Ref. **IDF1050**

Wireless Relative Humidity Sensor

-  **User-definable Tag's Identifier (RW)**
-  **Internal Relative Humidity Sensor**
-  **IP65 Waterproof**
-  **High Receiving Range : 40 to 80 meters (open field)**
-  **Autonomy : up to 10 years (according to settings)**



Technical Specifications	
Battery Power Supply	3 VDC -CR2032 Battery Model
Frequency	433.92 MHz +/- 75Khz
Resolution	0.05 %RH typical
Typical Accuracy out of calibration	+/- 3.0 %RH typical at 25 °C
Response Time	8 sec typical at 25 °C at τ (63%) Air Flow 1m/s
Measurement Range	0 to 100 %RH
Hysteresis	+/- 1 %RH typical
Non Linearity	+/- 3 %RH typical (row data), << 1 %RH typical (linears)
Long-term Deviation	< 0.5 %RH/year typical
Temperature Range	-30 °C to +70 °C
Duty Cycle	From 1.3s to 12hours by programming
ID code & RH Data Format	Transmitted code = XXXYYY xxx : Identifier code from 800 to FFF(hexa) yyy : Humidity data (hexa)
Settings & Configuration	By SCIEL PROG IR tool and ERW configuration software
Reader's Compatibility	SCIEL Reader Family
Battery Level Management	ID code for Low level of Battery (configurable) in alternated emission with the Tag's ID code. Ex : XXXFFF where xxx stands for the Tag's ID code and FFF the ID code for the low level of battery
Housing	Ø 36mm - IP65 Waterproof -DELRIN ABS - 2 mounting holes : Ø 3mm, space of 32mm - weight 11gr
Standards	EN 301 489 - 3 : 2002 V1.4.1 ; EN 300 220 - 2007 : V2.1.2 ; CE Mark ; RoHS Certified