

Wireless RFID sensors

COIN RH
Ref. IDF1050



- ① Internal **relative humidity** sensor
- ① User-definable Tag's Identifier (RW)
- ① High receiving range: **up to 80 meters** (open field)
- ① Lifecycle: **up to 10 years** (according to settings)

TECHNICAL SPECIFICATIONS

Battery power supply	3 VDC – CR2032 Internal Battery
Frequency	433.92 MHz
Operating temperature	-30°C to +70°C
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
ID code & RH data format	Transmitted code = XXXYYY xxx: identifier code from 800 to FFF(hexa) yyy: Humidity data(hexa)
Duty cycle	From 1.3s to 12 hours by programming
Settings & configuration	By SCIEL PROG IR tool and ERW software
Reader's compatibility	SCIEL Reader Family
Battery level management	Specific code sent at the end of the battery's life: XXXFFF (XXX: ID code)
Housing	Size: \varnothing 36mm base – thickness 10mm Weight: 11g Material: Delrin. Mounting: \varnothing 3mm 2 holes, spaced of 32mm

NORMES

EN 301 489 3 : 2002 V1.4.1	CE 0536, FCC part 15
EN 300 220 2007 : V2.1.2	FCC ID: RYVCOIN10XX
RoHS Certified	IC: 20429-COIN10XX

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

