



## Mod. **UR/URV**

### Relative Humidity Sensor

## Highlighted specs

- Accurate and reliable Air Humidity Sensor
- Limited dimensions and weight
- Measure with high precision capacity
- Compact and light design in aluminum for hot and cold climates
- WMO standards and EN 15518-3:2011 compliant
- Accuracy  $\leq 1\%$
- Available with forced ventilation
- According to **CE** norms

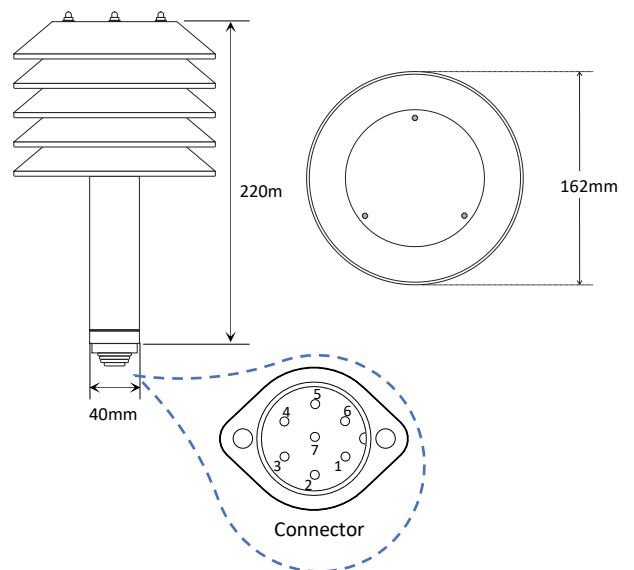
Sensor for relative air humidity measurement at low power (<0.1 W), compact and strong, made of anodized aluminum alloy for protection against salt and oxidizing agents. According to WMO norms for environmental monitoring. Very **fast and precise, linear** on full range of measure, easy to interface with any data logger. This item is available in both **natural ventilation** and **forced ventilation**. The sensor is equipped with electrical protection and is available with different signal outputs, normalized voltage or current 0÷1Vdc, 4÷20mA or **RS485/Modbus**. Available also **combined temperature-humidity** (model UTA).

<b>Typical range</b>	0 ÷ 100%Rh
<b>Resolution</b>	<0.1%
<b>Accuracy</b>	$\pm 1\%$ @23°C
<b>Response time</b>	< 8sec (10÷80%RH)
<b>Type of transducer</b>	Capacitive
<b>Ventilation</b>	Natural (cod. UR), Forced (cod. URV)
<b>Signal output</b>	0÷1 Vdc; 4 ÷ 20mA (0÷100%Rh) , RS485 / ModBus Rtu
<b>Working conditions</b>	-50 ÷ +80°C (-60 ÷ +80°C available)
<b>Protections</b>	Polarity reverse and transient
<b>Made of</b>	Aluminium alloy, stainless steel screws
<b>Power supply and consumption</b>	10÷30Vdc, (typ.<0.1W, max 2W@12Vdc mod. TAV)
<b>Weight</b>	680g

## Size and connections

Pin	UR-A	UR-B	UR-C
1	--	--	--
2	Out +	Out +	RS485 A
3	Out -	Out -	RS485 B
4	Gnd	Gnd	Gnd
5	Vdc(10÷28V)	Vdc(10÷28V)	12 Vdc
6	+ 12V Fan*	+ 12V Fan*	+ 12V Fan*
7	Gnd Fan*	Gnd Fan*	Gnd Fan*

\*URV only



## Order Code

Sensor	Output	Accessories	UR	URV		
Air Relative Humidity Sensor. Fan Air Relative Humidity Sensor	0÷2Vdc (MCS option) 4÷20mA (MCS option) RS485 / Modbus (MCS option)	CS05 – Cable 5m sensor-datalogger CS10 – Cable 10m sensor-datalogger CSxx – Cable xx* m length, sensor-datalogger – to be specified at order SSU – Sensor support L=700-750mm				
			A			
			B			
			C			
					05	
					10	
					xx	
						SSU

\*specify the length for no standard measures

example of order code

UR C 10 SSU