

DOL 114 Sensor

DOL 114 is a climate sensor for measuring relative humidity and temperature



PRODUCT DESCRIPTION

The sensor is intended for application in livestock houses but is also well suited for a number of industrial applications. The product has a built-in amplifier which enables direct input to regulation systems.

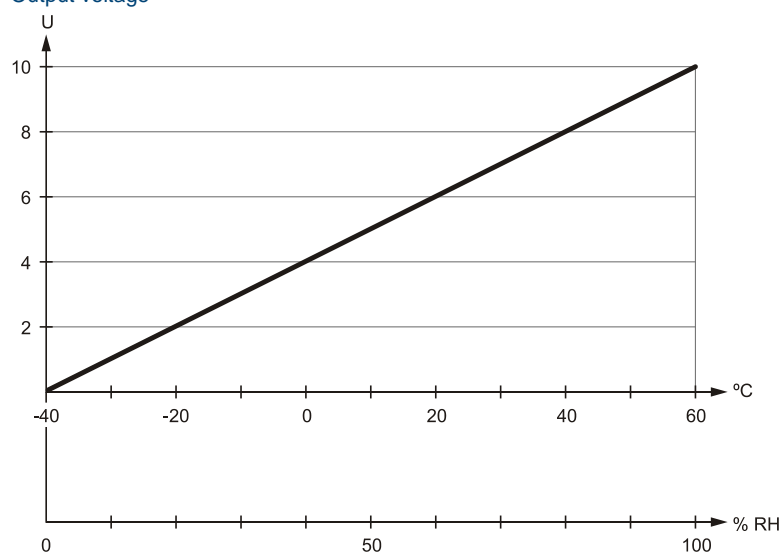
The sensor features two 0 to 10 volt analogue outputs with very low output resistances and fully protection against short circuits and wiring failures.

The special sensor element and the built-in Teflon filter enables application in livestock houses with constantly high humidity. The sensor can be supplied with built-in connector or cable according to requirement.

Sensor is microprocessor-controlled and has a two-colour light emitting diode (LED) to communicate the operation status and the error diagnostic. Sensor can be supplied with blinded LED for applications where this is needed.

FUNCTIONAL GRAPH

Output voltage

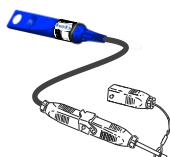


PRODUCT SURVEY



140252 DOL 114 HUMIDITY SENSOR

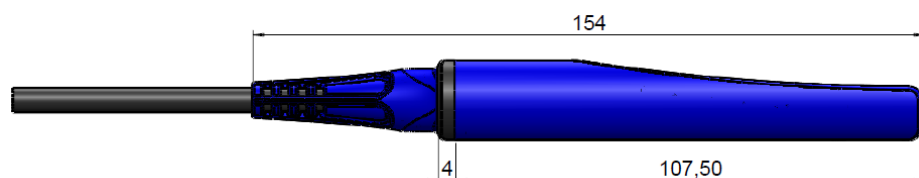
140255 DOL 114 HUMIDITY SENSOR – LED OFF
For turkey houses



140254 DOL 114 HUMIDITY SENSOR INCL. PLUG

TECHNICAL DATA

	Humidity	Temperature
Measuring range	0 – 100% RH	- 40 °C – 60 °C
Accuracy 1	± 2% RH (40 – 85 %) ± 3% RH (10-95 %)	+10 °C – 40 °C: ± 0.5 °C - 30 °C – 60 °C: ± 1.5 °C
Time constant	2 min.	
Supply Voltage	11 – 30 V DC	
Supply Current	20mA @ no load 70mA @ max load	
Output signal	0V – 10V, 0.1 V/% RH	4 V DC at 0 °C, 0.1 V/°C
Output current	20mA pr. output (current limited)	
Output impedance	< 1Ω	
Temperature, operation	- 10 °C – 50 °C	- 40 °C – 60 °C
Temperature, storage	- 40 °C – 60 °C	
IP, NEMA classification	IP 67	I
Cable	Four wire 22AWG 1.5 m, Ø 5 mm	
Accessories	Assembly clip with screws	
Shipment weight ex. connector	150 g	
Measure, shipment	275 x 200 x 20 mm	



Dimensions (mm)