

DOL 14HQ Humidity Sensor

DOL 14HQ is a highly accurate humidity sensor for measuring of the relative humidity of the air.



FUNCTIONAL DESCRIPTION

The sensor has a built-in voltage amplifier 0.1 V/% RH, which enables a direct connection to a control unit. Due to a special coating of the sensor element the sensor can be used in a polluted and damp environment.

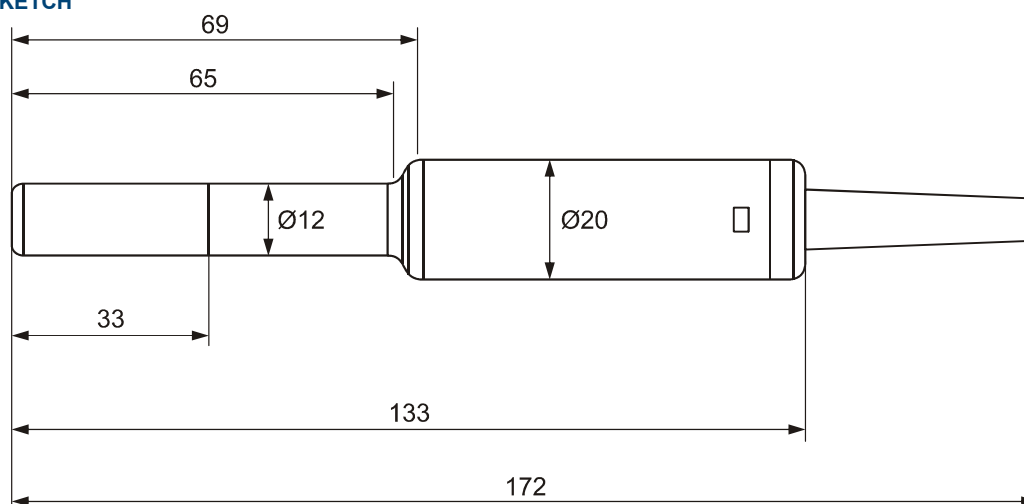
Furthermore, the sensor element is protected by a detachable teflon cap and the sensor can be supplied with a plug system, so it can easily be demounted and removed during cleaning of the livestock house.

140216 DOL 14HQ HUMIDITY SENSOR

140217 DOL 14HQ HUMIDITY SENSOR W. CONNECTOR

The sensor is supplied inclusive of cable with plug.

DIMENSIONAL SKETCH



TECHNICAL DATA

Measuring range	0 – 100 % RH
Accuracy of calibration	± 2 % RH (65 – 85 %) ± 3 % RH
Supply voltage	13 V – 28 V DC
Consumption	5 mA
Output voltage	0.1 V/% RH
Output current	Max. 1 mA
Temperature area, operation	- 15 °C – 50 °C
Temperature area, storage	- 40 °C – 60 °C
Protection class electronic unit	IP 54
Cable	Three-core, 1.5 m, Ø 5 mm
Shipping weight without plug	100 g
Shipping weight with plug	160 g
Shipping dimensions	275 × 200 × 20 mm