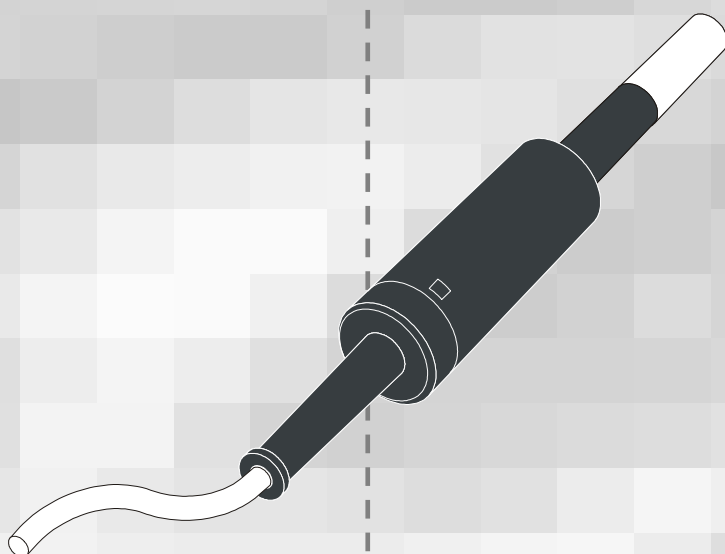


DOL 14HQ Humidity Sensor

Technical Info

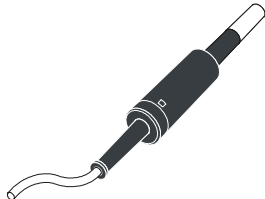
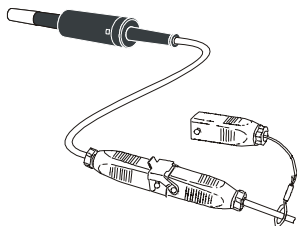


1 Product Description

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

2 Product Survey

	140216 DOL 14HQ humidity sensor
	140217 DOL 14HQ humidity sensor w. connector The sensor is supplied inclusive of cable with plug.

3 Technical Data

Technical data DOL 14HQ humidity sensor	
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
Fan-out 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

3.1 Dimensioned sketch

