



## DH140 Digital Humidity Probe

Nilotech DH140 Humidity and Temperature Probe is a robust and cost-effective humidity transmitter with high accuracy and good stability. DH140 is suitable for Incubators, laboratories, greenhouses and fermentation devices.

### Functions & Technology

#### Robust design

The stainless steel body of DH140 is IP65 classified, making it ideal for rough conditions. DH140 has high chemical tolerance thanks to the HUMICAP® sensor.

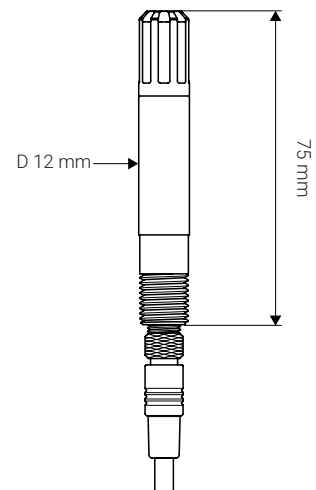
DH140 can be connected via an optional thin flexible cable 140sp001, so it can be positioned inside box- and desk-type incubators without affecting the surroundings.

The magnetic probe holder 140sp002 makes it convenient to install the sensor in the environment. A strong magnet stays firmly attached to steel structures. Alternatively, Ø3.5 mm holes can be used for fastening.



### Specifications

<b>Sensor type</b>	Capacitive type HUMICAP®
<b>Measure range /accuracy</b>	0 - 100% RH/±1.5% RH (0 - 40 °C) -40 - 80 °C (-40 - 176 °F)/ ±0.2 °C
<b>Stability</b>	±2% RH over 2 years
<b>Display resolution and update</b>	0,1% RH, one update per second
<b>T90 (min:sec)</b>	0:04
<b>Compliance</b>	ISO/EN61010-1, EN 61326-1, RoHS
<b>Operating conditions</b>	0 - 50 °C/5 - 95% RH
<b>Cable length/materials</b>	1,5 m/Polyurethane or FEP
<b>Sensor Materials</b>	Stainless steel (housing), Chrome coated ABS plastic (grid)
<b>IP Class</b>	IP65
<b>Calibration</b>	Delivered with factory calibration certificate. Accuracy ±1,5% RH in the range 0 - 40 °C DH 140 can be calibrated in accordance with ISO/IEC 17025. Calibration requires an adaptor. Part no: 115s001.



#### Ordering info

**Part no: 140s001** - DH140 Digital humidity probe  
**Part no: 140sp001** - Flat cable for 140s001  
**Part no: 140sp002** - Magnetic Probe Holder for DH140