



Humidity Transmitters

Relative humidity transmitters are used in drying processes, high humidity applications, climate technology and the manufacture and storage of chemicals.

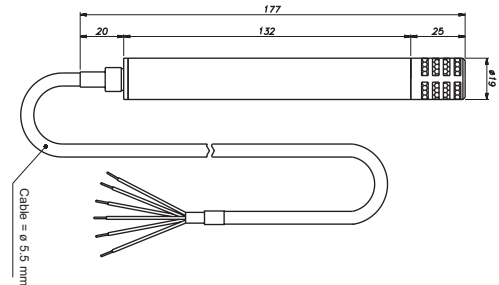
Humidity sensors offered by unitemp have been carefully selected for their linearised output, long term stability and accuracy, based on capacitive thin film technology. With exception of the entry level T150, all humidity transmitters in this range feature a replaceable, pre-calibrated plug-in sensor head. This simplifies maintenance in the field, lowers cost and does not require recalibration.

The humidity transmitters incorporate a Pt100 temperature sensor.



T150

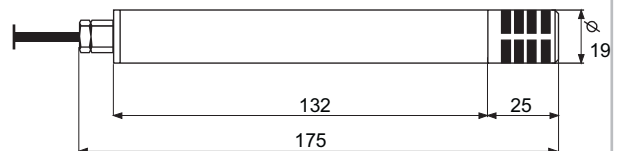
The T150 is a general purpose humidity transmitter, ideally suited for less demanding applications. The sensor tip is protected by a DELRIN cover and stainless steel mesh filter. A cable connection of 3m length (standard) is incorporated. Different cable lengths (1m, 3m, 5m, 10m) can be supplied on request.



| stock code | Description |
|-----------------|--------------------------------------|
| UCGH-T150-1A3K2 | 0-98%RH / 4-20mA, -20 to +55°C/Pt100 |

T211

The T211 is a general purpose humidity transmitter, featuring a 0 to 100%RH operating range. The plug-in sensor is replaceable and protected by a stainless steel mesh filter. A cable connection of 3m length (standard) is incorporated.



| stock code | Description |
|---------------|---------------------------------------|
| UCGH-T211-A-0 | 0-100%RH / 4-20mA, -30 to +70°C/Pt100 |

6621

The 6621 wall-mount humidity transmitter is designed for climate control in office buildings, museums, hotels, hospitals, storage and production sites. The 6621 can be harmometerised via P2A software.

It is available with- or without digital display, for wall mounting or duct mounting. The duct-mount version is fitted with a sintered stainless steel filter.



| stock code | Description |
|-----------------|---------------------------------------------------------------------|
| UCT-HE05556621C | 0-100%RH / 4-20mA, 0 to +50°C/4-20mA, wall mount, blank, no display |
| UCT-HE05556621B | 0-100%RH / 4-20mA, 0 to +50°C/4-20mA, duct mount, blank, no display |
| UCT-HE05556621W | 0-100%RH / 4-20mA, 0 to +50°C/4-20mA, wall mount |
| UCT-HE05556621D | 0-100%RH / 4-20mA, 0 to +50°C/4-20mA, duct mount |

6651

The 6651 advanced humidity transmitter is designed for critical climate in process engineering and compressed air technology. In addition to enhanced accuracy the transmitter offers relay outputs, an early warning system as well as parameterisation and adjustment via P2A software.

The transmitter is offered with three types of exchangeable probes:

- Wall probe
- Duct probe
- Probe with cable



| stock code | Description |
|---------------------------------------|--------------------------------------------------------|
| UCT-HE05556651A | 0-100%RH / 4-20mA, 0 to +50°C/4-20mA (excl. probe) |
| Optional probes for type 6651: | |
| UCT-HE055566001 | wall mount, -20 to +70°C, probe length=70mm |
| UCT-HE055566002 | duct mount, -20 to +70°C, probe length=280mm |
| UCT-HE055566005 | probe with 1m cable, -20 to +120°C, probe length=200mm |

6681

The 6681 precision humidity transmitter offers high accuracy measurements including high humidity or high temperature applications. In addition to high accuracy the transmitter offers self-diagnostics, an early warning system, relay outputs as well as parameterisation and adjustment via P2A software. It is optionally available with Profibus.

The transmitter is offered with three types of exchangeable probes:

- Wall probe
- Duct probe
- Probe with cable



| stock code | Description |
|---------------------------------------|--------------------------------------------------------|
| UCT-HE05556681P | 0-100%RH / 4-20mA, 0 to +50°C/4-20mA (excl. probe) |
| Optional probes for type 6681: | |
| UCT-HE055566101 | wall mount, -20 to +70°C, probe length=70mm |
| UCT-HE055566102 | duct mount, -30 to +150°C, probe length=200mm |
| UCT-HE055566103 | probe with 1m cable, -40 to +180°C, probe length=200mm |

Accessories

| stock code | Description |
|----------------|-------------------------------------------------------------------|
| UCGH-T-FLA050 | wall mounting flange for T150 & T211 |
| UCT-HE05546651 | wall/duct-mounting flange for 6621 / 6651 / 6681 |
| UCT-HE05541796 | compression fitting G1/2" st. steel, for duct probes (6651, 6681) |
| UCT-HE05540647 | stainless steel sintered cap 12mm dia. For 6651/6681 probes |
| UCT-HE05546020 | P2A configuration software + cable for 6621, 6651 and 6681 |

Note: for transmitters type 6651 and 6681 order probes separately