

## humidity measurement

### humidity sensor FTS 120

#### features

- humidity sensor for ventilation- and climate industry
- capacitive sensor element
- sensor can be hung up on the cable into the room
- robust design, aluminium housing
- electronic sealed
- high long time stability
- small hysteresis, good dynamic attitude
- maintenance free

#### technical specifications

measuring range:	0...100%rF
accuracy:	+/-3%rF
operating range:	15...90%rF
temperature action :	+/- 0,2%rF/K
min. air speed:	1m/sec.
voltage supply:	24VAC/DC at output 0...10VDC 12...24VDC at output 4...20mA
output humidity:	0...10VDC or 4-20mA selectable
output temperature:	0...10VDC possible (option 2)
material sensor pipe	aluminium
material sinter filter	stainless steel (optional)

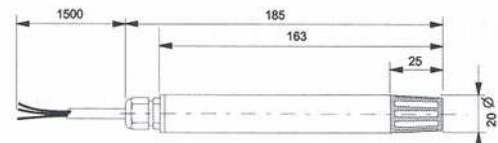


FTS 120-A-1

#### connector pin assignment

<u>voltage supply:</u>	
green	+
brown	-
<u>output</u>	
white	+
brown	- (bypassed with voltage supply)

#### dimensions:



#### installation- and assembly advice

Please avoid closeness to windows, heatings and other heat sources at assembly.  
The sensor can be hung up direct on cable.  
At too much settled dust dynamic attitude can adulterate.  
In this case sensor is to be washed up very carefully with destillerated water.  
The sensor element has not to be contacted while washing up.

#### order-code FTS 120...

order example: FTS 120-A-1

#### measurand output humidity and power supply

- A output 0...10VDC, supply 24VAC/DC
- B output 4...20mA, supply 12...24VDC

#### option 1

- 0 no options
- 1 with stainless steel sinterfilter

#### option 2

- A output temperature 0...10VDC (only possible at supply 12...24VDC!!!)