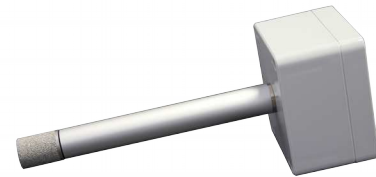**promesstec** GmbH

humidity sensor FTS 131

features

- humidity sensor for ventilation- and climate industry
- capacitive sensor element
- sensor for canal assembly and wall assembly
- robust design, aluminium sensor pipe with plastics connection housing
- high long time stability
- small hysterese, good dynamic attitude
- maintenance free
- optional with PT 100 (other sensors on request) or
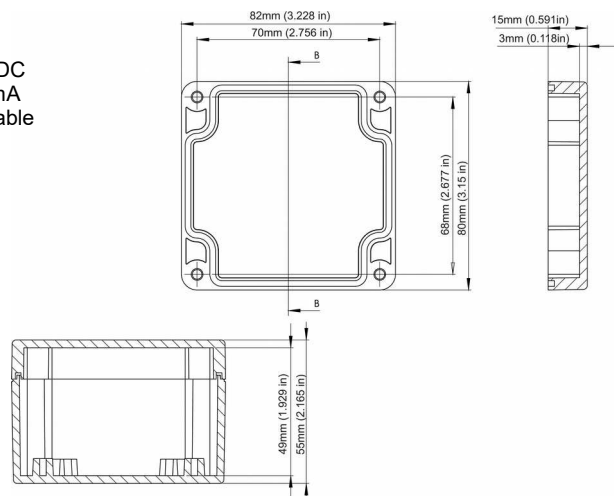 analog output 0...10VDC, 4-20mA

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	0...10VDC or 4-20mA selectable
material senson pipe	aluminium
material sinter filter	stainless steel (optional)

FTS 131-A-E1-1-A

dimensions:

82mm (3.228 in)
70mm (2.756 in)
15mm (0.591in)
3mm (0.118in)
68mm (2.677 in)
80mm (3.15 in)
49mm (1.929 in)
55mm (2.165 in)

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 131...   order example: FTS 131-A-E1-1-A

measurand output and power supply

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

orientation srew connection (front view)

- -A1   wall assembly, srew connection above
- -B1   wall assembly, screw connection right
- -C1   wall assembly, screw connection left
- -D1   wall assembly, screw connection down
- -E1   canal assembly, screw connection lateral

option 1

- -0   no options
- -1   with stainless steel sinterfilter

option 2

- -0   no options
- -A   with temperature sensor PT 100
- -B   with temperature sensor NI 1000
- -C   with temperature sensor PT 100, output 0...10VDC
- -D   with temperature sensor PT 100, output 4...20mA