

TRANSMICOR T252 Series High Temperature

RELATIVE HUMIDITY TRANSMITTER DUCT VERSION



Main Features

- Measuring range: 0...100%RH, -30...+140°C
- Accuracy: $\pm 2\%$ RH, $\pm 0,2^\circ\text{C}$
- Humidity output signal:
0...1Vdc; 0...10Vdc; 0...20mA; 4...20mA; 2...10Vdc
(selectable through internal switches)
- Temperature output signal:
0...1Vdc; 0...10mA; 4...20mA; 2...10Vdc
(selectable through internal switches), Pt100 Ω 1/3DIN
- Power supply: 24Vac/dc
- Protection degree: IP65
- Interchangeable sensor module S6000
- Linearised and temperature compensated humidity measurement
- Capacity thin film humidity sensor
- Response time: < 10 seconds
- CE conformity

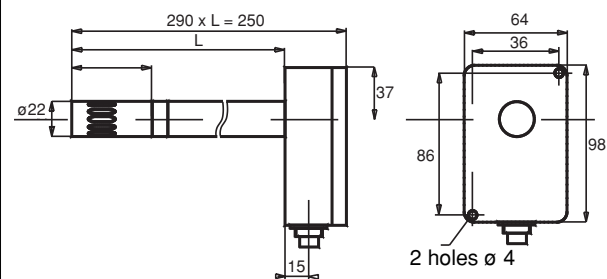
The T252 series relative probe is equipped with the calibrated and fully interchangeable sensor module HUMICOR S6000, presenting an innovative element in humidity measurement. Maintenance cost is therefore drastically reduced and machine downtime is minimised.

DIMENSIONS

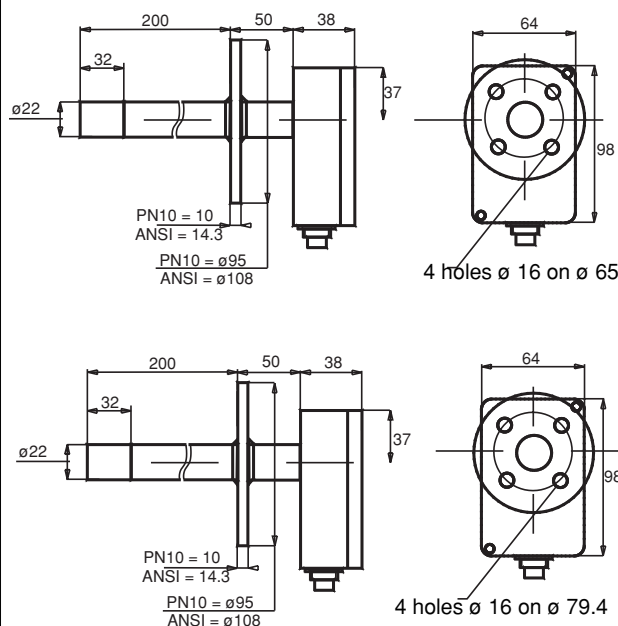
TECHNICAL DATA

	Humidity	Temperature
Connections	4-wire	4-wire
Accuracy @ 23°C	Hysteresis and non-linearity included $\pm 2\%$ RH (5...95% RH) $\pm 2,5\%$ RH (< 5% RH, > 95% RH)	Pt100 Ω 1/3DIN direct: $\pm 0,2^\circ\text{C}$ Current output: $\pm 0,4^\circ\text{C}$ Voltage output: $\pm 0,3^\circ\text{C}$
Measuring range	0 ... 100% RH	-30...+140°C
Sensor	(90% of their range from 11% to 75% RH)	/
Response time	< 10 sec	
Output signal		Pt100 Ω direct 1/3DIN (3-wire)
Temperature range	/	-30...+70°C, 0...100°C 0...150°C
Power supply: E	9...32Vdc 15...28Vac	
Impedance: R	Current output: R < 500 Ω Voltage output: R > 1K Ω	
Consumption	7VA	
Operating range		
Probe	0...100% RH	-30...+140°C
Housing	0...100% RH	-30...+70°C
Storage	0...100% RH	-40...+70°C
Housing		
Dimensions	98*64*38	
Material	ABS	
Weight	(PVDF), 1,4Kg (INOX)	
Probe		
Dimensions	\varnothing 22mm, L = 132mm Remote cable length 2 meters, \varnothing 3,5mm	
Material	PVDF	
Protection degree	IP65	
Electrical connections	Solder connector	

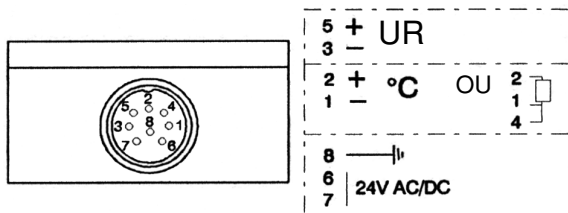
DELIRIN MODEL



INOX MODEL

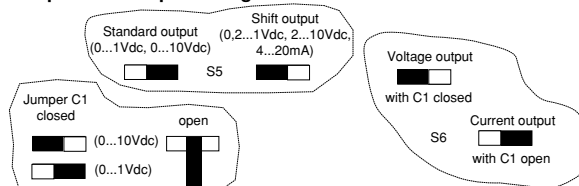


ELECTRICAL CONNECTIONS

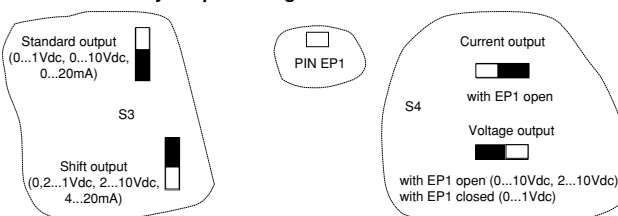


DIP-SWITCHES

Temperature Output Configuration



Relative Humidity Output Configuration



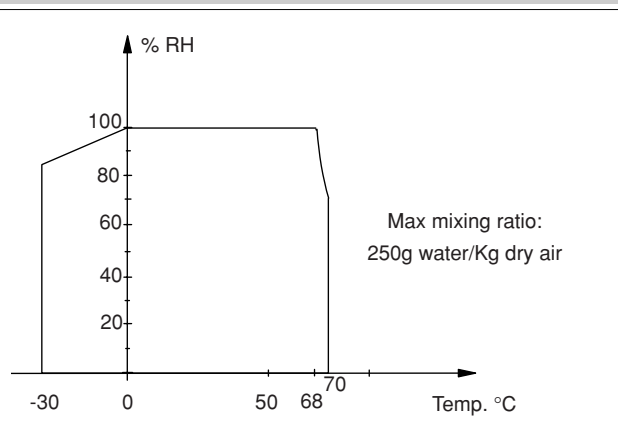
Power supply Configuration

Power supply > 20Vac/dc

Power supply < 20Vac/dc



MEASURING RANGE



ACCESSORIES

Control Kit HKC:

You can check your hygrometer with the control kit HKC, which is based on the principle of non-saturated salt solutions. Refer to technical data sheet 85523

Interchangeable sensor module S6000:

S6000 with output Pt100Ω: Ref. 6A03130
S6000 without output Pt100Ω: Ref. 6A08840

ORDER CODE

T2 5 2

Output Signal	
0...10Vdc, 2...10Vdc, 4...20mA	5

Model	
Duct version	2

Temperature Range	
Without temperature	0
Pt100 direct (Standard)	1
Range 0...100°C	2
Range -30...+70°C	3
Range 0...150°C	4

Power supply (4-wire model)	
24Vac/dc	0

Probe	
PVDF 250mm, D22mm	A
PVDF 500mm, D22mm	B
INOX 250mm, D22mm	C
INOX 500mm, D22mm	D

Stainless Steel Model	
Without flange	0
PN10 DN15 flange	1
ASA 150 LB flange. 1 inch	2

Protection cap / filter	
Slotted cap PVDF white standard with PVDF probe	E
Slotted cap PVDF white with teflon filter	F
Wire mesh filter stainless steel	G
Sinter filter stainless steel standard with stainless steel probe	H
Sinter filter stainless steel teflon coated	I

Example: T252.41AE

Relative humidity transmitter T252, duct version, with 4...20mA, 0...10Vdc, 2...10Vdc output signals for humidity (0...100%RH) and temperature (corresponding to 0...150°C), 24Vac/dc power supply, PVDF 250mm probe (without flange), slotted cap PVDF white standard with PVDF probe.

GEFRAN spa reserves the right to make any kind of design or functional modification at any moment without prior notice



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