



TRANSMICOR T232 series high temperature RELATIVE HUMIDITY TRANSMITTER DUCT VERSION



Main characteristics

- Measuring range: 0 ... 100 %rh, -30 ... +140 °C
- Accuracy: ± 2 %rh, $\pm 0,2$ °C
- Output signal: 4 ... 20mA (2 wire), Pt100 Ω 1/3 DIN
- Power supply: 9...33VDC
- Protection degree: IP65
- Interchangeable sensor module S6000
- Linearised and temperature compensated humidity measurement
- Capacitive thin film humidity sensor
- Sensor response time: < 10 seconds
- CE conformity

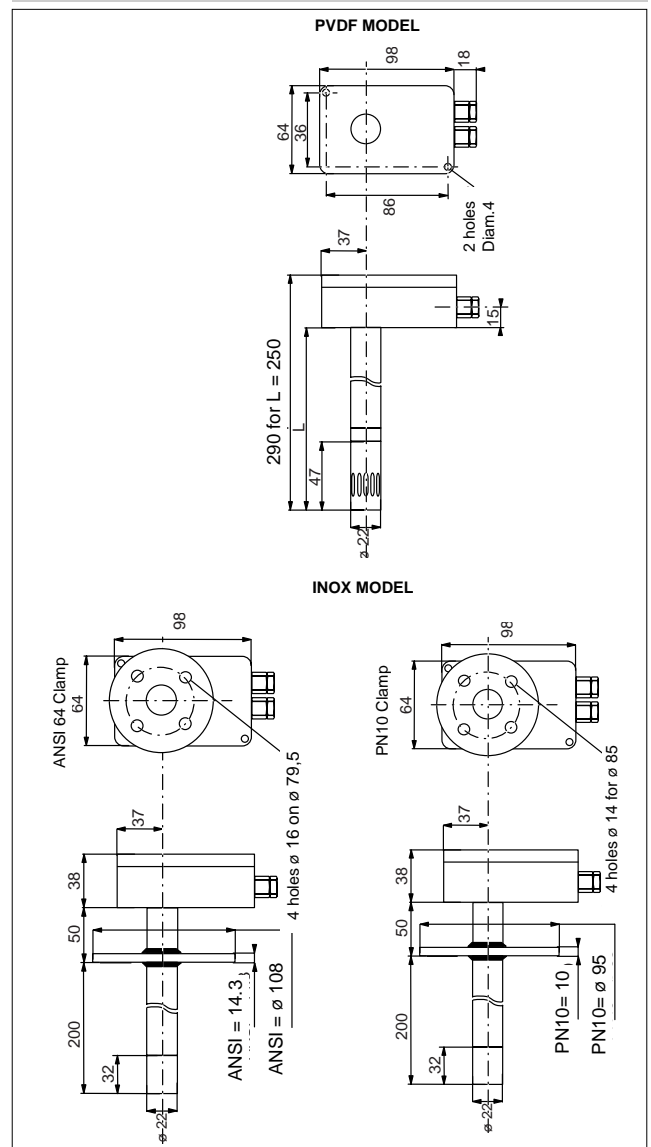
The T232 series relative humidity probe is equipped with the calibrated and fully interchangeable sensor module HUMICOR S6000, presenting an innovative element in humidity measurement.

Maintenance cost is therefore drastically reduced and machine downtime is minimised.

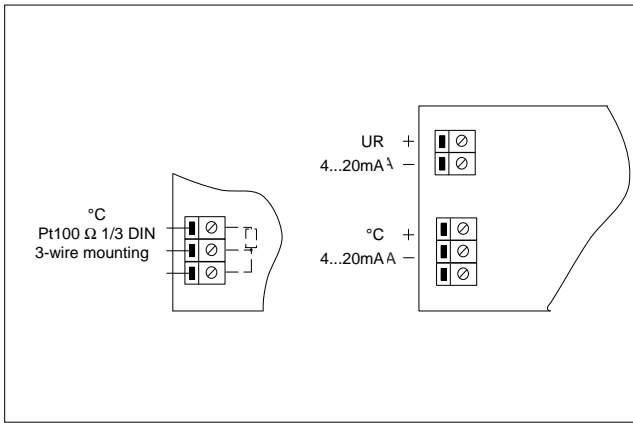
TECHNICAL DATA

	Humidity	Temperature
Connections	2 wire	2 wire
Accuracy @ 23 °C	Hysteresis non-linearity included ± 2 %rh (5...95 %rh) $\pm 2,5$ %rh (< 5 %rh, > 95 %rh)	Pt100 Ω 1/3 DIN direct: $\pm 0,2$ °C Current output: $\pm 0,3$ °C
Measuring range	0 ... 100 %rh	-30 ... +140 °C
Sensor response time	(90% of scale for a step change from 11% to 75 %rh)	/
Output signal	< 10 sec 4...20mA	4...20mA Pt100 Ω direct 1/3 DIN (3 wire)
Temperature range	/	-30...70 °C, 0...100 °C, 0...150 °C
Power supply: E	9...33 VDC	
Impedance: R	$R < ((E - 9) / 0,02) \Omega$	
Consummation	20mA max.	
Operating range		
Probe	0 ... 100 %rh	-30 ... +140 °C
Housing	0 ... 100 %rh	-30 ... +70 °C
Storage	0 ... 100 %rh	-40 ... +70 °C
Housing	98*64*38	
Dimension	ABS	
Material	190 g (PVDF), 1,2 Kg (STAINLESS STEEL)	
Weight		
Probe	$\varnothing 22$ mm, L = 250 or 500mm	
Dimension	PVDF or STAINLESS STEEL	
Material	IP65	
Protection degree	IP65	
Electrical connections	Screw terminal, tightening capacity 1,5 mm ² max.	

DIMENSIONS



ELECTRICAL CONNECTION



MEASURING RANGE

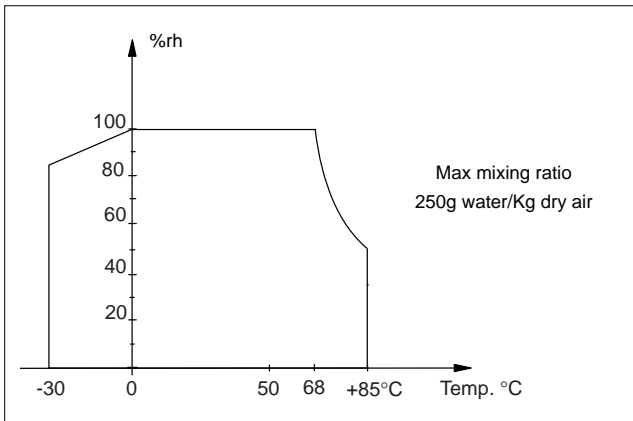
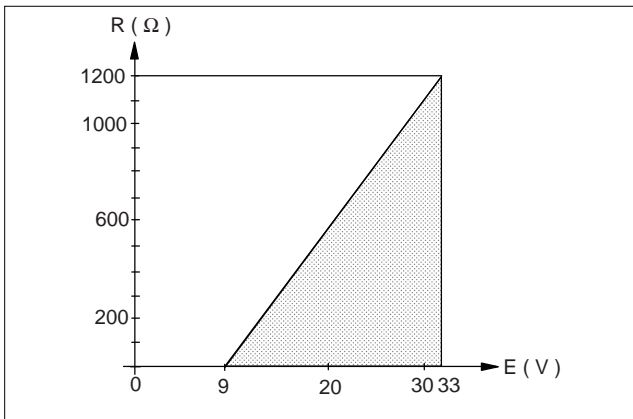


DIAGRAM OF MAXIMUM CHARGE



ACCESSORIES

Control kit HKC:

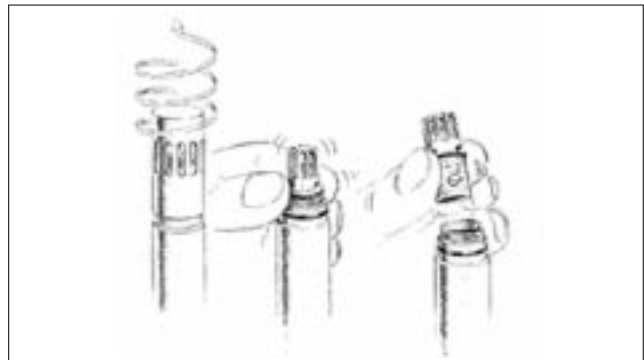
You can check your hygrometer with the control kit HKC which is based on the principle of non-saturated salt solutions.

Refer to technical data sheet 85521

Interchangeable sensor module S6000:

S6000 for 250mm probe: Ref. 6A05511
S6000 for 500mm probe: Ref. 6A07721

REMOVING THE S6000



ORDERING CODE

		T2	3	2				
Output signal		2 wire, 4 ... 20mA		3				
Model		Duct		2				
Temperature range		No temperature		0				
		Pt100 direct (Standard)		1				
		Range 0 ... 100 °C		2				
		Range -30 ... +70 °C		3				
		Range 0 ... 150 °C		4				
Power supply (Model 2 wire)		9...33 VDC		0				
Probe		PVDF 250mm, D22mm		A				
		PVDF 500mm, D22mm		B				
		Stainless Steel 250mm, D22mm		C				
		Stainless Steel 500mm, D22mm		D				
For Stainless Steel models		No flange		0				
		Flange PN10 DN15		1				
		Flange ASA 150 LB. 1 Pouce		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 s.s. probe (*)		H				
		Sinter filter, stainless steel, teflon coated (*)		I				

(*) A knurled nut, ref. 1A04640, is necessary to fix these filter types

Example: T232.40AE
Relative humidity transmitter T230, duct mounting version, probe/slotted cap in PVDF, output signal humidity 4/20mA, temperature 4/20mA (0...150 °C), power supply 9...33 VDC.

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



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