

Humidity and temperature transmitter **EE23**

Technical description

Characteristic
– humidity measurement of all of range – version A: wall mounting – version B: duct mounting – version C: with separated of probe
Measuring range
– temperature: (-40 ÷ 60) °C; meteo, wall mounted, sterile (-40 ÷ 80) °C; duct (-40 ÷ 120) °C; separated duct – humidity: (0 ÷ 100) % RH
Accuracy
– humidity: standard calibration ±2% RH (0 ÷ 90) % RH; ±3% RH (90 ÷ 100) % RH – humidity: special calibration: ±1% RH (0 ÷ 80) % RH; ±2% RH (90 ÷ 100) % RH
Output
(0 ÷ 5) V, (0 ÷ 10) V, (0 ÷ 20) mA, (4 ÷ 20) mA for (0 ÷ 100) % RH for (-40÷60/80/120) °C
Power source
(15 ÷ 28) V AC/DC
Housing
– material: polycarbonate, IP65
Operating conditions
– temperature: (-40 ÷ 60) °C (electronics) – humidity: (0 ÷ 100) % RH
Additional functions
– alarm output – LCD display



Temperature range (T)		
(-40 ÷ 60) °C /T02/	(-30 ÷ 120) °C /T09/	(0 ÷ 80) °C /T21/
(-20 ÷ 50) °C /T03/	(-20 ÷ 120) °C /T10/	(-40 ÷ 80) °C /T22/
(0 ÷ 50) °C /T04/	(-40 ÷ 120) °C /T12/	(-20 ÷ 80) °C /T24/
(0 ÷ 100) °C /T05/	(-20 ÷ 100) °C /T14/	(-40 ÷ 160) °C /T33/
(0 ÷ 60) °C /T07/	(20 ÷ 100) °C /T15/	(20 ÷ 140) °C /T40/
(-30 ÷ 70) °C /T08/	(0 ÷ 120) °C /T16/	(-40 ÷ 180) °C /T52/

Ordering code

Humidity and temperature transmitter	EE23	M	P	FT	A	B	C	3	5	6	02	05	10	2	5	6	no sign	no sign	no sign	no sign	1	2	3	5	6	A	B	C	D							
Housing: metal		M																																		
polycarbonate			P																																	
Humidity and temperature				FT																																
Mounting:																																				
wall						A																														
duct						B																														
with separated probe up to 120 °C						C																														
Filter								3 - steel	5 - PTFE	6 - metal grid																										
Cable (for C-type)									02 - 2 m	05 - 5 m	10 - 10 m																									
Length of probe (for type: B, C)									2 - 50 mm	5 - 200 mm	6 - 400 mm																									
Display: none																																				
LCD display																																				
Alarm output: none																																				
With alarm																																				
Connection type:																																				
1x cable gland																																				
1x plug																																				
Material of sheath: none																																				
HC01																																				
Physical parameters of output: relative humidity																																				
temperature																																				
dew point temperature																																				
frost point temperature																																				
Output signal:																																				

Ordering example

Humidity and temperature transmitter **EE23-M-FT-B-6-10-4-A**