

PRODUCTS SELECTION GUIDE

Choosing the right transmitter closely tuned to the application with regards to the expected relative humidity and temperature is an absolute must for a perfect operation.

The following table is a guide for the right choice of humidity and temperature transmitters, under consideration of the temperature dependency for the different models. In the marked range you will get an overall accuracy better than $\pm 5\%$ RH.

Product Comparison - Working Ranges

Temperature	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	degC
	-40	-22	-4	14	32	50	68	86	104	122	140	158	176	194	212	230	248	266	284	302	320	338	356	°F
Humidity																								% RH
EE03	[Working Range: -30 to 100]																							
EE04	[Working Range: -20 to 100]																							
EE06-A	[Working Range: -40 to 100]																							
EE07	[Working Range: -40 to 100]																							
EE10	[Working Range: 0 to 100]																							
EE16	[Working Range: 10 to 100]																							
EE21	[Working Range: -30 to 100]																							
EE22	[Working Range: -40 to 100]																							
EE23-A	[Working Range: 0 to 60]																							
EE23-B	[Working Range: 70 to 80]																							
EE23-C	[Working Range: 90 to 120]																							
EE23-F	[Working Range: 0 to 60]																							
EE23-G	[Working Range: 0 to 60]																							
EE23-H	[Working Range: 70 to 80]																							
Serie EE29/31	[Working Range: 0 to 100]																							
EE29/31-A	[Working Range: -40 to 60]																							
EE29/31-B	[Working Range: 70 to 80]																							
EE29/31-D	[Working Range: 90 to 180]																							
EE29/31-E	[Working Range: 0 to 180]																							
EE29/31-F	[Working Range: 70 to 80]																							
EE31-H	[Working Range: 0 to 100]																							
EE30EX-A	[Working Range: -40 to 60]																							
EE30EX-D	[Working Range: 70 to 180]																							
EE30EX-E	[Working Range: 0 to 100]																							

working range TEMPERATURE

working range HUMIDITY

MULTIFUNCTION INDUSTRIAL TRANSMITTER FOR TEMPERATURE / HUMIDITY / DEW POINT...

EE29 / EE31 Series

The precise and reliable measurement of humidity in industrial processes is gaining more and more importance. The multifunctional transmitters series EE29 / 31 offer the ideal solution.

The result of many years of experience in humidity measurement technology for industrial applications, the EE29 / 31 series builds on the E+E high-quality HC series capacitive humidity sensor elements.

The optimal hardware structure for varying applications is achieved by combining various standard mechanical and electronic modules. User friendly MS Windows software tools simplify the configuration of the transmitter, the data recording, visualization and processing.

The measured values are available on two freely configurable and scaleable analogue outputs and on the serial RS232 interface. With an optional RS485 module or Ethernet module up to 32 EE31 transmitters can be connected to a network and one single PC interface allowing easy remote monitoring.

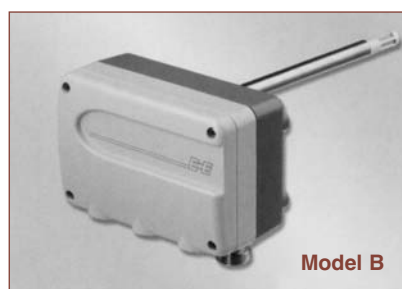
Two freely configurable optional alarm can be set by software. The measured data and the corresponding MIN/MAX values can be viewed on the optional LC display.

Other feature especially tailored for harsh industrial applications are the new housing concept consisting of three modules, the easy on-site adjustment and calibration, and the interchangeable sensor option. These features allow for very fast and easy servicing of the transmitter.

By selecting a suitable housing version the EE29 / EE31 series can be used for the entire range of humidity measurement applications :

- Model A for wall mounting
- Model B for duct mounting
- Model D with remote sensing probe for measurements in the extended temperature range -40...180°C (-40...356°F)
- Model E with remote sensing probe for pressure tight applications between 0.01...15 bar (0.15...218psi).
- Model F with rear cable outlet for wall mounting in clean room applications. The hidden cables and the smooth housing are major requirements for easy cleaning and sterilization.
- Model H (EE31 only) with remote miniature probe for concealed mounting (e.g. in museums) or in tight spaces.

Multifunctional Industrial Transmitter for Humidity / Temperature / Dew Point / Absolute Humidity



MULTIFUNCTION INDUSTRIAL TRANSMITTER FOR TEMPERATURE / HUMIDITY / DEW POINT...

Product Comparison EE29 - EE31

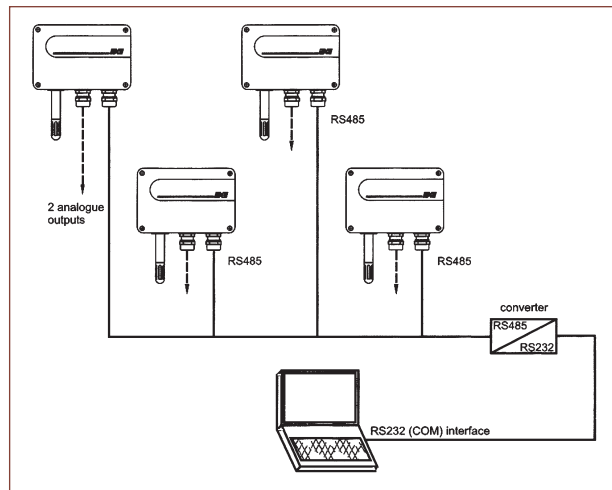
Functions	Comment	EE29	EE31
Measurement of relative humidity and temperature		3	3
Two freely scaleable and configurable analogue outputs		3	3
6 basic hardware configurations		3	3
Remote sensing probe up to 20m (65.6ft)			3
On-site adjustment for relative humidity and temperature		3	3
LED indication of transmitter status		3	3
RS232 for transmitter configuration xia PC		3	3
Configuration software	standard supply	3	3
Alternating display with MIN/MAX indication	optional	3	3
Two freely configurable alarm outputs	optional	3	3
Interchangeable sensor cable	optional	3	3
Sensor protection (coating)	optional	3	3
Plug connection	optional	3	3
Calculated values h, r, dv, Tw, Td, Tf, e			3
Digital data output via RS232 interface			3
Digital data output via RS485 interface	optional		3
Network of up to 32 instruments via RS485 bus	optional		3
Ethernet interface for networking and remote monitoring	optional		3
Data logging and analysis PC software	optional		3

EE31 - Network with up to 32 Transmitters

Up to 32 EE31 transmitters can be connected in a RS-485 bus system to a single PC interface.

The measured and calculated data is stored in a PC database which is available for further processing by using the E+E datalogging and analysis software.

The data base can also be stored in ASCII format or in a data-base with ODBC interface.



NEW EE31 - Ethernet Interface

EE31 transmitters can be connected through a standard Ethernet-port for easy remote monitoring (ordering code E). The software-tools are in the standard scope of supply.

Software Tools

The following software tools are available for the EE29/31 series :

	EE29	EE31
Configuration Software (standard supply)	3	3
Datalogging and analysis Software (optional)		3

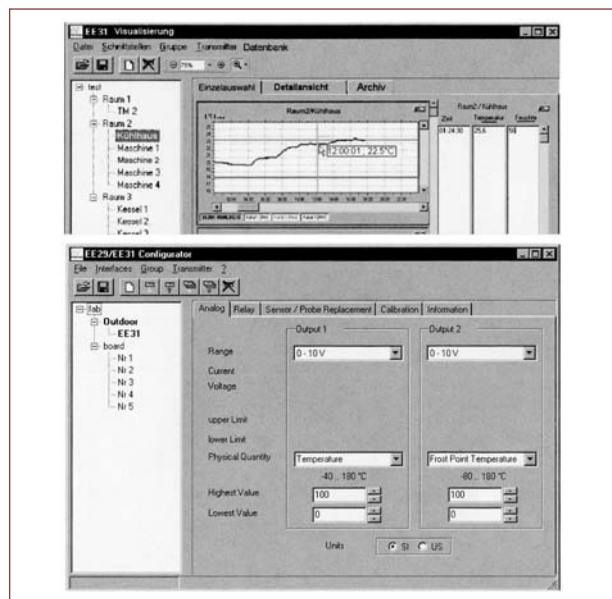
Configuration Software :

The Configuration Software is used for :

- Flexible, easy and fast setup of the analogue and alarm outputs.
- Adjustment of the humidity and temperature outputs.
- Exchange of the sensing probe or of the sensors.

Datalogging and Analysis Software :

This user friendly software tool is a great help for easy data analysis in graphical or spreadsheet format on a PC as well as for data and alarms management by e-mail or SMS.



MULTIFUNCTION INDUSTRIAL TRANSMITTER FOR TEMPERATURE / HUMIDITY / DEW POINT...

Easy Calibration and Adjustment of the Transmitter

The modular housing of the EE29 / EE31 enables a fast and easy on-site adjustment and calibration.

Using the optional extension cable one can adjust or calibrate the entire measurement loop without interrupting the measurement. No need for time-consuming dismounting and wiring of the instrument. This feature makes the EE29 / 31 series suitable for use in regulatory environments (e.g. FDA, GAMP).

The adjustment of humidity and temperature (2 points or 1 point) is performed either with a simple routine using two push buttons on the printed circuit board or with the configuration software.

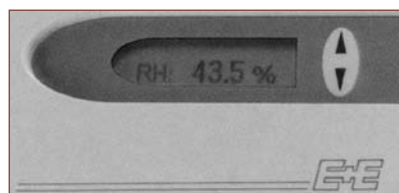


2 Status LEDs

Two status LEDs on the printed circuit board indicate the transmitter status and eventual errors, especially useful during installation or service operations.

Sensor Coating

Operating in heavily polluted and / or corrosive environments is typical for many industrial processes and can lead to drift or damage of the humidity sensor and thus to false measured values. The unique protective coating developed by E+E for the sensing probe brings a significant improvement on the long-term stability of the transmitter in very dirty and aggressive environments. (ordering code: HC01)



Integrated Display

The actual measured and calculated values as well as the corresponding Min/Max values can be indicated on an optional display. The physical quantity to be displayed is chosen with the push buttons on the housing. (ordering code: D05)

Interchangeable Sensing Probe

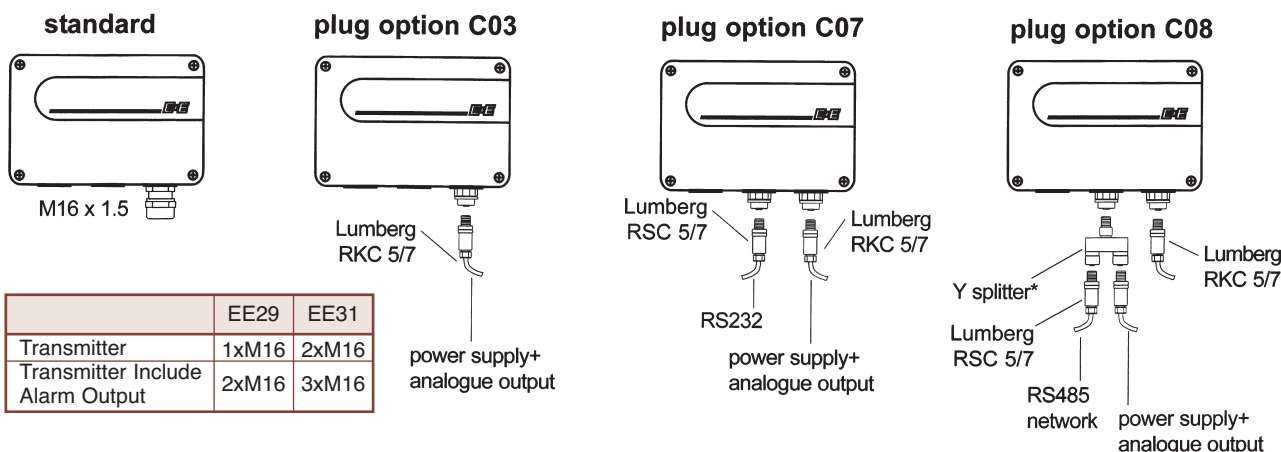
The interchangeable sensing probe with plug connection can be easily exchanged in the versions D and E. The installation of the probe cable (up to 20m / 65ft) is significantly simplified and can be installed prior to fitting the transmitter. (ordering code: P01)



Alarm Outputs

An optional alarm module with 2 relays output is available for control and alarm purposes. The selection of the physical quantity for the relay outputs and the setting of threshold hysteresis can be easily made with the configuration software included in the standard scope of supply.

Connection Versions



* Siemens 6ES7 194-1KA01-0XA0

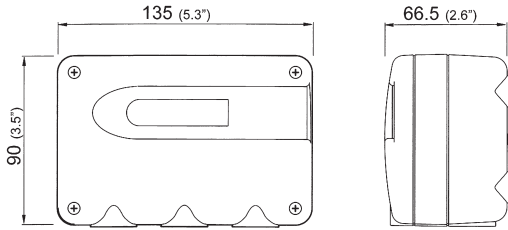


MULTIFUNCTION INDUSTRIAL TRANSMITTER FOR TEMPERATURE / HUMIDITY / DEW POINT...

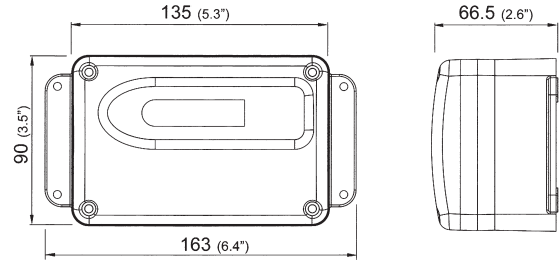
Dimension in mm

Housing :

Polycarbonat Housing

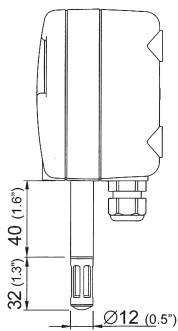


Metal Housing

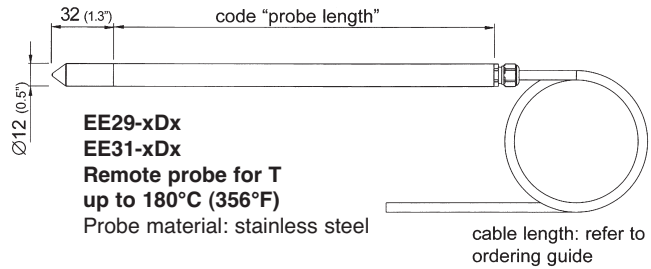


For use in harsh industrial environments all models of the EE29 / 31 are available in a robust metal housing. The very smooth surface and the rounded outlines allow for the use in clean rooms as well.

Models :

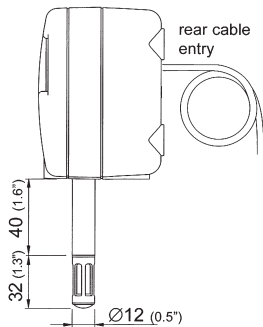


EE29-xAx
EE31-xAx
Wall mounting
Probe material:
PC or stainless steel

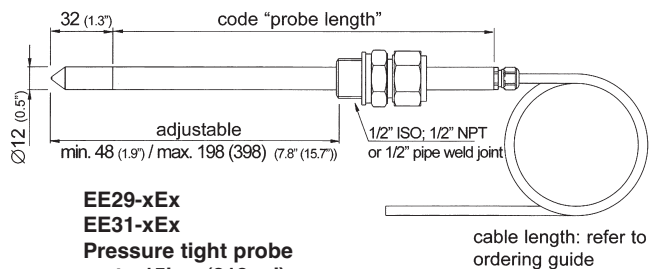


EE29-xDx
EE31-xDx
Remote probe for T
up to 180°C (356°F)
Probe material: stainless steel

cable length: refer to ordering guide

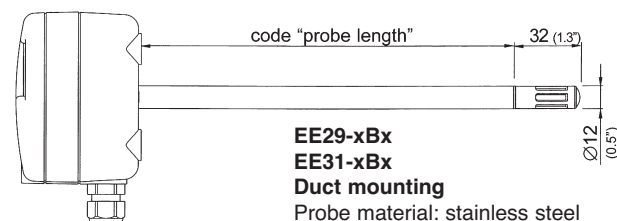


EE29-xFx
EE31-xFx
Wall mounting with rear cable outlet
Probe material:
PC or stainless steel



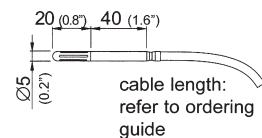
EE29-xEx
EE31-xEx
Pressure tight probe
up to 15bar (218psi)
Probe material: stainless steel

cable length: refer to ordering guide



EE29-xBx
EE31-xBx
Duct mounting
Probe material: stainless steel

EE31-xHx
Remote miniature probe
Probe material: stainless steel



cable length: refer to ordering guide

MULTIFUNCTION INDUSTRIAL TRANSMITTER FOR TEMPERATURE / HUMIDITY / DEW POINT...

Technical Data EE31

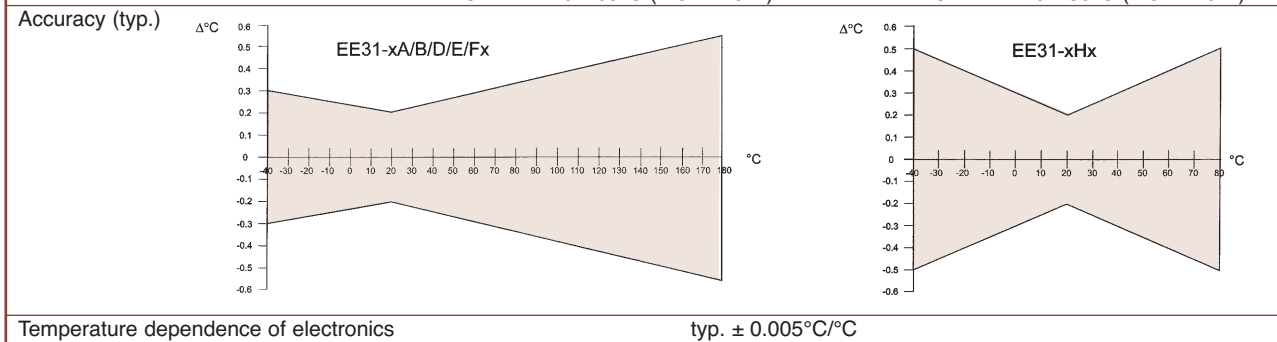
Measurement Values

Relative Humidity

Humidity sensor ¹⁾	HC1000-400 / HC105
Working range ¹⁾	0...100% RH
Accuracy ¹⁾ (including hysteresis, non-linearity and repeatability)	
-15...40°C (5...104°F) <90% RH	± (1.3 + 0.3%*mv) % RH
-15...40°C (5...104°F) >90% RH	± 2.3% RH
-15...70°C (-13...158°F)	± (1.4 + 1%*mv) % RH
-40...180°C (-40...356°F)	± (1.5 + 1.5%*mv) % RH
Temperature dependence of electronics	typ. ± 0.01% RH/°C (0.0055% RH/°F)
Response time with metal grid filter at 20°C / t ₉₀	< 15s

Temperature

Temperature sensor element	EE31-xA/B/C/F/Gx EE31-xHx	Pt1000 (Tolerance class A, DIN EN 60751) Pt1000 (Tolerance class B, DIN EN 60751)
Working range sensing head	EE31-xAx -40...60°C (-40...140°F) EE31-xDx -40...180°C (-40...356°F) EE31-xFx -40...60°C (-40...140°F)	EE31-xBx -40...80°C (-40...176°F) EE31-xEx -40...180°C (-40...356°F) EE31-xHx -40...80°C (-40...176°F)



Outputs ²⁾

Two freely selectable and scaleable analogue outputs 0...100% RH / xx...yy°C respectively	0 - 5V 0 - 10V 4 - 20mA 0 - 20mA	-1mA < I _L < 1mA -1mA < I _L < 1mA R _L < 500 Ohm R _L < 500 Ohm
Serial interface	RS232C RS485 optional	

Max. Adjustable Measurement Range ^{2) 3)}

		From	Up to EE31-A, F	EE31-B, H	EE31-D, E	Units
Humidity	RH	0	100	100	100	% RH
Temperature	T	-40 (-40)	60 (140)	80 (176)	180 (356)	degC (°F)
Dew-point temperature	Td	-80 (-112)	60 (140)	80 (176)	100 (212)	degC (°F)
Frost-point temperature	Tf	-80 (-112)	0 (32)	0 (32)	0 (32)	degC (°F)
Wet-bulb temperature	Tw	0 (32)	60 (140)	80 (176)	100 (212)	degC (°F)
Water vapour partial pressure	e	0 (0)	200 (3)	500 (7.5)	1100 (15)	mbar (psi)
Mixture ratio	r	0 (0)	425 (2900)	999 (9999)	999 (9999)	g/kg (gr/lb)
Absolute humidity	dv	0 (0)	150 (60)	300 (120)	700 (300)	g/m3 (gr/f3)
Specific enthalpy	h	0 (0)	400 (50000)	1000 (375000)	2800 (999999)	kJ/kg (lbf/lb)

General

Supply voltage	SELV 8...48V DC SELV 12...35V DC SELV = Safety Extra Low Voltage
Current consumption - 2X voltage output - 2X current output	for 24V DC/AC: typ. 40mA typ. 80mA
Pressure range for pressure tight probe	0.01...15bar (0.15...218psi)
System requirements for software	WINDOWS 98 or later; serial interface
Housing / protection class	PC or Al Si 9 Cu 3 / IP65; Nema 4
Cable gland	M16 x 1.5 cable ø 4.5 - 10 mm (0.18 - 0.39")
Electrical connection	screw terminals up to max. 1.5mm ² (AWG 16)
Working and storage temperature range of electronics	-40...60°C (-40...140°F) -20...50°C (-4...122°F) - housing with display
Electromagnetic compatibility according to	EN61000-6-2 EN61000-6-3 ICES-003 ClassB EN61326-1+A1+A2 FCC Part15 Class B

¹⁾ Refer to the working range of the humidity sensor. ²⁾ Can be easily changed by software. ³⁾ Refer to accuracies of calculated values
¹⁾ The accuracy statement includes the uncertainty of the factory calibration with an enhancement factor k=2 (2-times standard deviation).
 The accuracy was calculated in accordance with EA-4/02 and with regard to GUM (Guide to the Expression of Uncertainty in Measurement).



MULTIFUNCTION INDUSTRIAL TRANSMITTER FOR TEMPERATURE / HUMIDITY / DEW POINT...

Technical Data EE29

Measurement Values

Relative Humidity

Humidity sensor ¹⁾	HC1000-400	
Working range ¹⁾	0...100% RH	
Accuracy ¹⁾ (including hysteresis, non-linearity and repeatability)		
-15...40°C (5...104°F) <90% RH	± (1.3 + 0.3%*mv) % RH	
-15...40°C (5...104°F) >90% RH	± 2.3% RH	
-25...70°C (-13...158°F)	± (1.4 + 1%*mv) % RH	
-40...180°C (-40...356°F)	± (1.5 + 1.5%*mv) % RH	
Temperature dependence of electronics	typ. ± 0.01% RH/°C (0.0055% RH/°F)	
Response time with metal grid filter at 20°C / t ₉₀	< 15s	

Temperature

Temperature sensor element	Pt1000 (Tolerance class A, DIN EN 60751)	
Working range sensing head	EE29-xAx -40...60°C (-40...140°F)	EE29-xBx -40...80°C (-40...176°F)
	EE29-xDx -40...180°C (-40...356°F)	EE29-xEx -40...180°C (-40...356°F)
	EE29-xFx -40...60°C (-40...140°F)	
Accuracy (typ.)		
Temperature dependence of electronics	typ. ± 0.005°C/°C	

Outputs ²⁾

Two freely selectable and scaleable analogue outputs	0 - 5V	-1mA < I _L < 1mA
0...100% RH / xx...yy°C respectively	0 - 10V	-1mA < I _L < 1mA
	4 - 20mA	R _L < 500 Ohm
	0 - 20mA	R _L < 500 Ohm

General

Supply voltage	SELV 8...48V DC	
	SELV 12...35V DC	SELV = Safety Extra Low Voltage
Current consumption - 2X voltage output	for 24V DC/AC:	typ. 40mA
- 2X current output		typ. 80mA
Pressure range for pressure tight probe	0.01...15bar (0.15...218psi)	
System requirements for software	WINDOWS 98 or later; serial interface	
Housing / protection class	PC or AI Si 9 Cu 3 / IP65; Nema 4	
Cable gland	M16 x 1.5	cable ø 4.5 - 10 mm (0.18 - 0.39")
Electrical connection	Screw terminals up to max. 1.5mm ² (AWG 16)	
Sensor protection	Stainless steel sintered filter, PTFE filter or metal grid filter	
Working and storage temperature range of electronics	-40...60°C (-40...140°F)	
	-20...50°C (-4...122°F) - housing with display	
Electromagnetic compatibility according to	EN61000-6-2	EN61000-6-3 ICES-003 ClassB
	EN61326-1+A1+A2	FCC Part15 Class B

¹⁾ Refer to the working range of the humidity sensor. ²⁾ Can be easily changed by software.

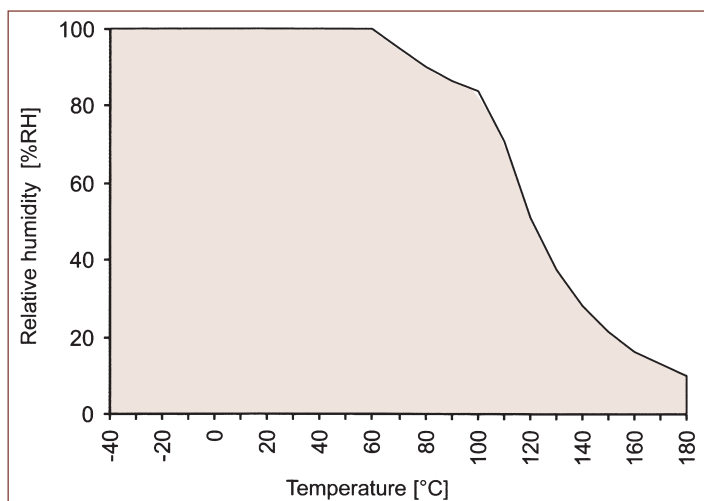
¹⁾ The accuracy statement includes the uncertainty of the factory calibration with an enhancement factor k=2 (2-times standard deviation). The accuracy was calculated in accordance with EA-4/02 and with regard to GUM (Guide to the Expression of Uncertainty in Measurement).

MULTIFUNCTION INDUSTRIAL TRANSMITTER FOR TEMPERATURE / HUMIDITY / DEW POINT...

Technical Data for Options EE29 / EE31

Display	Graphical LC display (128x32 pixels), with integrated push-buttons for selecting parameters and MIN/MAX function		
Alarm outputs	2 x 1 switch contact 250V AC / 6A 28V DC / 6A		
Threshold + hysteresis	can be adjusted with configuration software		
Switching parameters	freely selectable between:	EE29	EE31
	RH Relative humidity	3	3
	T Temperature	3	3
	Td Dew-point temperature		3
	Tf Frost-point temperature		3
	Tw Wet-bulb temperature		3
	e Water vapour partial pressure		3
	r Mixture ratio		3
	dv Absolute humidity		3
	h Specific enthalpy		3

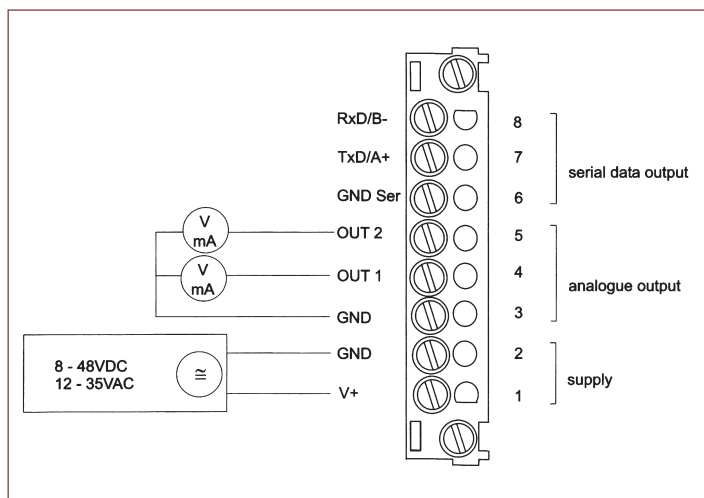
Working Range Humidity Sensor



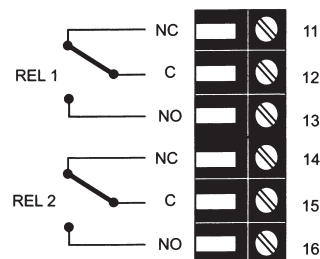
The gray area shows the allowed measurement range for the humidity sensor.

Operating points outside of this range do not lead to destruction of the element, but the specified measurement accuracy cannot be guaranteed.

Connection Diagram



Terminal configuration - Alarm output



MULTIFUNCTION INDUSTRIAL TRANSMITTER FOR TEMPERATURE / HUMIDITY / DEW POINT...

Ordering Guide EE31

		EE31-	EE31-	EE31-	EE31-	EE31-	EE31-
Hardware Configuration							
Housing	metal housing	M	M	M	M	M	M
	polycarbonate housing	P	P	P	P	P	P
Type	humidity + temperature	FT	FT	FT	FT	FT	FT
Model		A	B	D	E	F	H
Filter	membrane filter 5mm (0.2")						1
	stainless steel sintered filter	3	3	3	3	3	
	PTFE filter	5	5	5	5	5	
	metal grid filter (up to 120°C / 248°F)	6	6	6	6	6	
	stainless steel grid filter 5mm (0.2")						7
	stainless steel grid filter (up to 180°C / 356°F)			9	9		
Cable length	2m (6.6ft)			02	02		02
	5m (16.4ft)			05	05		05
	10m (32.8ft)			10	10		10
	20m (65.6ft)			20	20		20
Probe length	50mm (1.9")			2	2		
	200mm (7.9")		5	5	5		
	400mm (15.8")		6	6	6		
Pressure tight	1/2" male thread				HA03		
Feedthrough	1/2" pipe weld joint				HA05		
	1/2" NPT thread				HA07		
Interface	RS232	N	N	N	N	N	N
	RS485	E	E	E	E	E	E
	Ethernet interface						
Display	without display						
	with display	D05	D05	D05	D05	D05	D05
Alarm output *)	without relay						
	with relay	SW	SW	SW	SW	SW	SW
Plug	cable glands						
	1 plug for power supply and outputs	C03	C03	C03	C03		C03
	2 plug for power supply / outputs and RS232	C07	C07	C07	C07		C07
	2 plug for power supply / outputs and RS485 Network	C08	C08	C08	C08		C08
Sensing probe	fixed						
	interchangeable			P1	P1		
Coating sensor	no						
	yes	HC01	HC01	HC01	HC01	HC01	
Calibration	standard						
	high-humidity calibration		CA01	CA01	CA01		
Software Configuration							
Physical Parameters of Outputs	Relative humidity	RH [%]	(A)	Output 1	Select according to Ordering Guide (A - H,J)		
	Temperature	T [°C or °F]	(B)				
	Dew point temperature	Td [°C or °F]	(C)				
	Frost point temperature	Tf [°C or °F]	(D)	Output 2	Select according to Ordering Guide (A - H,J)		
	Wet bulb temperature	Tw [°C or °F]	(E)				
	Water vapour partial pres.	e [mbar]	(F)				
	Mixture ratio	r [g/kg]	(G)				
	Absolute humidity	dv [g/m³]	(H)				
	Specific enthalpy	h [kJ/kg]	(J)				
Type of Output Signals	0-5V		(2)				
	0-10V		(3)				
	0-20mA		(5)		Select according to Ordering Guide (2,3,5,6)		
	4-20mA		(6)				
Measured Value Units	metric / SI				E01	E01	E01
	non metric / US				E01	E01	E01
Scaling of T-Output	-40... 60 (T02)	-20... 80 (T24)	0...350 (T89)	Output T	Select according to Ordering Guide (Txx)		
Scaling of Td-Output in °C or °F	0... 50 (T04)	0...180 (T26)	32...120 (T90)				
	0... 100 (T05)	-40...180 (T52)	32...140 (T91)	Output Td	Select according to Ordering Guide (Tdx)		
	0... 60 (T07)	-40...100 (T79)	32...180 (T92)				
	-40...120 (T12)	-40...350 (T82)	32...250 (T94)				
	0... 120 (T16)	-40...140 (T83)	32...300 (T95)				
	0... 80 (T21)	-40...300 (T84)	32...132 (T96)				
	-40... 80 (T22)	0...250 (T88)	32...350 (T101)				

*) Alarm output only available with cable glands but not with plugs!

MULTIFUNCTION INDUSTRIAL TRANSMITTER FOR TEMPERATURE / HUMIDITY / DEW POINT...

Ordering Guide EE29

		EE29-	EE29-	EE29-	EE29-	EE29-
Hardware Configuration						
Housing	metal housing	M	M	M	M	M
	polycarbonate housing	P	P	P	P	P
Type	humidity + temperature	FT	FT	FT	FT	FT
Model		A	B	D	E	F
Filter	stainless steel sintered filter	3	3	3	3	3
	PTFE filter	5	5	5	5	5
	metal grid filter (up to 120°C / 248°F)	6	6	6	6	6
	stainless steel grid filter (up to 180°C / 356°F)			9	9	
Cable length	2m (6.6ft)			02	02	
	5m (16.4ft)			05	05	
	10m (32.8ft)			10	10	
	20m (65.6ft)			20	20	
Probe length	50mm (1.9")			2	2	
	200mm (7.9")		5	5	5	
	400mm (15.8")		6	6	6	
Pressure tight Feedthrough	1/2" male thread				HA03	
	1/2" pipe weld joint				HA05	
	1/2" NPT thread				HA07	
Display	without display					
	with display	D05	D05	D05	D05	D05
Alarm output *)	without relay					
	with relay	SW	SW	SW	SW	SW
Plug	cable glands					
	1 plug for power supply and outputs	C03	C03	C03	C03	
	2 plug for power supply / outputs and RS232	C07	C07	C07	C07	
Sensing probe	fixed			P1	P1	
	interchangeable					
Coating sensor	no					
	yes	HC01	HC01	HC01	HC01	HC01
Calibration	standard					
	high-humidity calibration		CA01	CA01	CA01	
Software Configuration						
Physical Parameters of Outputs	Relative humidity	RH [%]	(A)	Output 1	Select according to Ordering Guide (A or B)	
	Temperature	T [°C or °F]	(B)	Output 2	Select according to Ordering Guide (A or B)	
Type of Output Signals	0-5V		(2)	Select according to Ordering Guide (2,3,5,6)		
	0-10V		(3)			
	0-20mA		(5)			
	4-20mA		(6)			
Temperature Unit	°C			E01	E01	E01
	°F					
Scaling of T-Output in °C or °F	-40... 60 (T02)	-20... 80 (T24)	0...350 (T89)	Output T	Select according to Ordering Guide (Txx)	
	0... 50 (T04)	0...180 (T26)	32...120 (T90)			
	0...100 (T05)	-40...180 (T52)	32...140 (T91)			
	0... 60 (T07)	-40...100 (T79)	32...180 (T92)			
	-40...120 (T12)	-40...350 (T82)	32...250 (T94)			
	0...120 (T16)	-40...140 (T83)	32...300 (T95)			
	0... 80 (T21)	-40...300 (T84)	32...132 (T96)			
	-40... 80 (T22)	0...250 (T88)	32...350 (T101)			

*) Alarm output only available with cable glands but not with plugs!

Accessories / Replacement Parts

- Filter caps	(HA0101xx)	- Bracket for installation onto mounting rails	(HA010203)
- Display	(D05)	- Drip water protection	(HA010503)
- Replacement sensor	(Pxx)	- 1% Calibration	(EE90/3H)
- Humidity sensor	(FE10)	- Calibration set	(HA0104xx)
- Interface cable	(HA010301)	- Datalogging and analysis software (for EE31 only)	(HA010602)
- Mounting flange	(HA010201)	- RS485 Kit (HW + SW) for networking (for EE31 only)	(HA010601)
- Mounting flange 5mm (for EE31, model H only)	(HA010208)		

