

# Scaling of the outputs

Output scale beyond the operating range limits specified in the product data sheet does not extend the working range of the product.

Example: Although the T output of EE160 can be scaled 0-10V = -30...70 °C, the T operating range remains -15...60°C.

## Temperature (Tx/Td/Tf/Tw) - [°C or °F]

Following ordering codes apply to:

- temperature (T)
- dew point temperature (Td)
- frost point temperature (Tf)
- wet bulb temperature (Tw)

-112...32	108	-40...248	078	-20...70	073	0...250	088
-110...70	099	-40...100	079	-20...20	122	0...350	089
-100...20	141	-40...176	080	-20...85	129	0...200	107
-100...200	148	-40...250	081	-20...130	152	0...30	112
-100...0	167	-40...350	082	-15...25	102	0...65	142
-94...392	154	-40...140	083	-15...85	147	0...25	157
-90...10	138	-40...300	084	-15...60	161	5...40	150
-80...60	028	-40...40	105	-15...50	165	10...100	019
-80...0	032	-40...32	109	-13...257	139	10...30	058
-80...20	063	-40...10	126	-10...50	003	10...50	106
-80...100	067	-40...20	133	-10...70	011	10...40	115
-80...180	116	-40...85	136	-10...40	018	10...60	160
-80...80	123	-40...140	155	-10...100	042	15...25	013
-80...10	159	-40...110	163	-10...60	050	15...35	117
-76...140	100	-35...35	043	-10...30	059	20...120	015
-70...40	034	-35...50	110	-10...25	070	20...180	040
-70...180	118	-35...110	156	-10...35	132	20...140	077
-70...60	120	-35...75	158	-10...90	144	20...80	128
-70...200	153	-30...40	001	-10...110	169	20...85	130
-60...60	064	-30...70	008	-10...120	170	20...150	143
-60...20	065	-30...120	009	-5...45	006	20...50	145
-60...120	097	-30...60	020	-5...55	031	20...60	146
-60...212	098	-30...130	023	-5...100	061	32...212	075
-60...40	104	-30...20	039	-5...50	062	32...122	076
-60...0	111	-30...50	045	-5...30	134	32...120	090
-60...80	125	-30...35	054	0...50	004	32...140	091
-50...50	027	-30...100	103	0...100	005	32...180	092
-50...70	051	-30...30	124	0...60	007	32...248	093
-50...100	066	-30...170	168	0...120	016	32...250	094
-50...10	127	-25...25	119	0...70	017	32...300	095
-50...150	131	-25...125	137	0...80	021	32...132	096
-50...160	135	-25...70	162	0...180	026	32...350	101
-50...40	151	-25...50	164	0...160	030	45...70	149
-50...80	166	-23...85	113	0...150	036	50...130	071
-40...60	002	-20...120	010	0...130	037	50...140	072
-40...120	012	-20...100	014	0...75	046	55...95	121
-40...80	022	-20...80	024	0...170	049	60...110	041
-40...160	033	-20...60	025	0...40	055	60...180	114
-40...70	038	-20...180	029	0...5	056	80...120	053
-40...50	044	-20...150	047	0...20	069	80...180	140
-40...180	052	-20...50	048	0...140	085	100...180	035
-40...150	068	-20...140	057	0...176	086		
-40...356	074	-20...40	060	0...248	087		

## Humidity (UW) - [% rF]

0...100	001
20...100	003

## Water vapour partial pressure (Ex) - [mbar]

0...200	001
0...1000	002

## Mixing ratio (Rx) - [g/kg]

0...10	005
0...40	003
0...100	004
0...400	001
0...900	002

## Absolute humidity (DV) - [g/m<sup>3</sup>]

0...50	003
0...150	001
0...700	002

## Specific enthalpy (Hx) - [kJ/kg]

-50...400	001
-50...2800	002
0...100	003
0...400	004

## Volume fraction water vapour (Wv) - [ppm]

0...30	012	0...500	002	0...5000	006	0...30000	008
0...100	001	0...1000	003	0...6000	005	0...100000	011
0...200	010	0...2000	013	0...10000	004		
0...300	007	0...2500	014	0...20000	009		

## Water activity (AW)

0...1	001
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## Water content (X) - [ppm]

0...30	012	0...500	002	0...5000	006	0...30000	008
0...100	001	0...1000	003	0...6000	005	0...100000	011
0...200	010	0...2000	013	0...10000	004	0...200000	015
0...300	007	0...2500	014	0...20000	009		

## CO<sub>2</sub> (C) - [ppm]

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0...1100	<b>903</b>
0...2000	<b>002</b>
0...5000	<b>005</b>
0...10000	<b>010</b>
400...1100	<b>902</b>
800...1400	<b>901</b>

## Air velocity (V) - [m/s or ft/min]

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0...0,5	<b>001</b>
0...1	<b>002</b>
0...1,5	<b>003</b>
0...2	<b>004</b>
0...2,5	<b>026</b>
0...5	<b>005</b>
0...10	<b>006</b>

0...12	<b>027</b>
0...15	<b>007</b>
0...20	<b>008</b>
0...25	<b>009</b>
0...30	<b>010</b>
0...35	<b>011</b>
0...40	<b>012</b>

0...100	<b>013</b>
0...200	<b>014</b>
0...300	<b>015</b>
0...400	<b>016</b>
0...1000	<b>017</b>
0...2000	<b>018</b>
0...3000	<b>019</b>

0...4000	<b>020</b>
0...5000	<b>021</b>
0...6000	<b>022</b>
0...7000	<b>023</b>
0...7800	<b>024</b>
0...8000	<b>025</b>