

Scaling of the Outputs

Output scale beyond the measuring 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 measuring range remains -40...+60°C.

Humidity (Uw) - [%RH]

Range	Code
0...100	001
20...100	003

Water vapour partial pressure (e) - [mbar]

Range	Code
0...200	001
0...1000	002

Mixing ratio (r) - [g/kg]

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

Absolute humidity (dv) - [g/m³]

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

Specific enthalpy (h) - [kJ/kg]

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

Volume fraction water vapour (Wv) - [ppm]

Range	Code
0...30	012
0...100	001
0...200	010
0...300	007

Range	Code
0...500	002
0...1000	003
0...2000	013
0...2500	014

Range	Code
0...5000	006
0...6000	005
0...10000	004
0...20000	009

Range	Code
0...30000	008
0...100000	011

Water activity (aw)

Range	Code
0...1	001

Water content (x) - [ppm]

Range	Code
0...30	012
0...100	001
0...200	010
0...300	007

Range	Code
0...500	002
0...1000	003
0...2000	013
0...2500	014

Range	Code
0...5000	006
0...6000	005
0...10000	004
0...20000	009

Range	Code
0...30000	008
0...100000	011
0...200000	015

CO₂ (CO2) - [ppm]

Range	Code
0...1100	903
0...2000	002
0...5000	005
0...10000	010
400...1100	902
800...1400	901

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

Range	Code
0...0.5	001
0...1	002
0...1.5	003
0...2	004
0...2.5	026
0...5	005
0...10	006

Range	Code
0...12	027
0...15	007
0...20	008
0...25	009
0...30	010
0...35	011
0...40	012

Range	Code
0...100	013
0...200	014
0...300	015
0...400	016
0...1000	017
0...2000	018
0...3000	019

Range	Code
0...4000	020
0...5000	021
0...6000	022
0...7000	023
0...7800	024
0...8000	025

Temperature (T/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)

Range	Code
-112...32	108
-110...70	099
-100...20	141
-100...200	148
-100...0	167
-94...392	154
-90...10	138
-80...60	028
-80...0	032
-80...20	063
-80...100	067
-80...180	116
-80...80	123
-80...10	159
-76...140	100
-70...40	034
-70...180	118
-70...60	120
-70...200	153
-60...60	064
-60...20	065
-60...120	097
-60...212	098
-60...40	104
-60...0	111
-60...80	125
-50...50	027
-50...70	051
-50...100	066
-50...10	127
-50...150	131
-50...160	135
-50...40	151
-50...80	166
-40...60	002
-40...120	012
-40...80	022
-40...160	033
-40...70	038
-40...50	044
-40...180	052
-40...150	068
-40...356	074

Range	Code
-40...248	078
-40...100	079
-40...176	080
-40...250	081
-40...350	082
-40...140	083
-40...300	084
-40...40	105
-40...32	109
-40...10	126
-40...20	133
-40...85	136
-40...140	155
-40...110	163
-35...35	043
-35...50	110
-35...110	156
-35...75	158
-30...40	001
-30...70	008
-30...120	009
-30...60	020
-30...130	023
-30...20	039
-30...50	045
-30...35	054
-30...100	103
-30...30	124
-30...170	168
-25...25	119
-25...125	137
-25...70	162
-25...50	164
-23...85	113
-20...120	010
-20...100	014
-20...80	024
-20...60	025
-20...180	029
-20...150	047
-20...50	048
-20...140	057
-20...40	060

Range	Code
-20...70	073
-20...20	122
-20...85	129
-20...130	152
-15...25	102
-15...85	147
-15...60	161
-15...50	165
-13...257	139
-10...50	003
-10...70	011
-10...40	018
-10...100	042
-10...60	050
-10...30	059
-10...25	070
-10...35	132
-10...90	144
-10...110	169
-10...120	170
-5...45	006
-5...55	031
-5...100	061
-5...50	062
-5...30	134
0...50	004
0...100	005
0...60	007
0...120	016
0...70	017
0...80	021
0...180	026
0...160	030
0...150	036
0...130	037
0...75	046
0...170	049
0...40	055
0...5	056
0...20	069
0...140	085
0...176	086
0...248	087

Range	Code
0...250	088
0...350	089
0...200	107
0...30	112
0...65	142
0...25	157
5...40	150
10...100	019
10...30	058
10...50	106
10...40	115
10...60	160
15...25	013
15...35	117
20...120	015
20...180	040
20...140	077
20...80	128
20...85	130
20...150	143
20...50	145
20...60	146
32...212	075
32...122	076
32...120	090
32...140	091
32...180	092
32...248	093
32...250	094
32...300	095
32...132	096
32...350	101
45...70	149
50...130	071
50...140	072
55...95	121
60...110	041
60...180	114
80...120	053
80...180	140
100...180	035