

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	Range	Code	Range	Code	Range	Code
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)

Range	Code
0...1	001

Water content (x) - [ppm]

Range	Code	Range	Code	Range	Code	Range	Code
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		

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	Range	Code	Range	Code	Range	Code
0...0.5	001	0...12	027	0...100	013	0...4000	020
0...1	002	0...15	007	0...200	014	0...5000	021
0...1.5	003	0...20	008	0...300	015	0...6000	022
0...2	004	0...25	009	0...400	016	0...7000	023
0...2.5	026	0...30	010	0...1000	017	0...7800	024
0...5	005	0...35	011	0...2000	018	0...8000	025
0...10	006	0...40	012	0...3000	019		

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	Range	Code	Range	Code	Range	Code
-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		