

MP-406

Polynomial Lookup Table

Linearisation tables can be added to Data Loggers using the following data:

A: Conversion Table for MP-406 - From VSW% to mV & mA in mineral soil.

VSW%	mV MP-406	mA MP-406	VSW%	mV MP-406	mA MP-406
-5.00	0.0	4.00	55.00	1015	18.50
2.00	120	5.71	60.00	1025	18.64
5.00	210	6.99	65.00	1035	18.785
10.00	310	8.43	70.00	1045	18.93
15.00	415	9.93	75.00	1055	19.07
20.00	510	11.285	80.00	1065	19.21
25.00	610	12.71	85.00	1070	19.28
30.00	720	14.285	90.00	1080	19.43
35.00	825	15.785	95.00	1095	19.64
40.00	895	16.785	100.00	1120	20.00
45.00	955	17.64	105.00	2090	
50.00	1005	18.35			

B: Polynomial Lookup Table for Organic and Mineral Soil

Soil moisture θ , $m^3.m^{-3}$	mV, organic soil	mV, mineral soil	soil moisture θ , $m^3.m^{-3}$	mV, organic soil	mV, mineral soil
-0.05	-2090	-2090	0.55	985	1015
0	50	120	0.6	1010	1025
0.05	140	210	0.65	1020	1035
0.1	230	310	0.7	1030	1045
0.15	320	415	0.75	1045	1055
0.2	415	510	0.8	1055	1065
0.25	500	610	0.85	1070	1070
0.3	600	720	0.9	1080	1080
0.35	700	825	0.95	1095	1095
0.4	800	895	1.0	1106	1106
0.45	875	955	1.05	2090	2090
0.5	940	1005			