

Sensor Beacon Data Specification

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proximity UUID : C722DB4C-5D91-1801-BEB5-001C4DE7B3FD

Major/Minor

温湿度・気圧センサが測定した値は、Major、Minor を合わせた 32 ビットに以下のフォーマットでセットされています。

Major														Minor																	
F	E	D	C	B	A	9	8	7	6	5	4	3	2	1	0	F	E	D	C	B	A	9	8	7	6	5	4	3	2	1	0
R1	R0	X9	X8	X7	X6	X5	X4	X3	X2	X1	X0	Y6	Y5	Y4	Y3	Y2	Y1	Y0	Z12	Z11	Z10	Z9	Z8	Z7	Z6	Z5	Z4	Z3	Z2	Z1	Z0
内部使用		温度(10 ビット) X= 0~1023											湿度(7 ビット) Y= 0~127						気圧(13 ビット) Z= 0~8191												

Major、Minor のセット値から温度・湿度・気圧を算出する計算式を以下に示します。

$$\text{温度} = X * 0.1 - 30 \text{ (}^\circ\text{C)}$$

$$\text{湿度} = Y \text{ (\%)} \text{ (100 を超える値は送信されません)}$$

$$\text{気圧} = Z * 0.1 + 300 \text{ (hPa)}$$

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