

Bit number				31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
ID				B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Reset 0x7FFF8000				0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ID	R/W	Field	Value ID	Value				Description																											
A	RW	LOW		[-32768 to +32767]				Low level limit																											
B	RW	HIGH		[-32768 to +32767]				High level limit																											

### 8.18.11.34 RESOLUTION

Address offset: 0x5F0

Resolution configuration

Bit number				31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0			
ID																																				A	A	A
Reset 0x00000001				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
ID	R/W	Field	Value ID	Value				Description																														
A	RW	VAL						Set the resolution																														
			8bit	0				8 bit																														
			10bit	1				10 bit																														
			12bit	2				12 bit																														
			14bit	3				14 bit																														

### 8.18.11.35 OVERSAMPLE

Address offset: 0x5F4

Oversampling configuration. OVERSAMPLE should not be combined with SCAN unless burst is enabled. The RESOLUTION is applied before averaging, thus for high OVERSAMPLE a higher RESOLUTION should be used.

Bit number				31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0																															
ID				A A A A																															
Reset 0x00000000				0 0																															
ID	R/W	Field	Value ID	Value				Description																											
A	RW	OVERSAMPLE						Oversample control																											
			Bypass	0				Bypass oversampling																											
			Over2x	1				Oversample 2x																											
			Over4x	2				Oversample 4x																											
			Over8x	3				Oversample 8x																											
			Over16x	4				Oversample 16x																											
			Over32x	5				Oversample 32x																											
			Over64x	6				Oversample 64x																											
			Over128x	7				Oversample 128x																											
			Over256x	8				Oversample 256x																											

### 8.18.11.36 SAMPLERATE

Address offset: 0x5F8

Configures the sampling rate for either task-triggered or continuous operation using a local timer