



Digital:

Reg	Addr	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
Ctrl	0x1	ID	ID	ID	ID	ID	ID	P	P	RC	RC	RC	RC	RC	RC	RC	PG
Temp	0x2	S	Exp	Exp	Exp	Exp	Exp	F	F	F	F	F	F	F	F	F	F
Conf	0x3	SG	CG	-	-	-	-	-	-	-	T	T	T	T	R	S	S

Ctrl:

Field	Description	Length	R/W
PG	Power Good	1	R
RC	Reset Counter	7	R
P	Producer	2	R
ID	IC unique identification	6	R

Temp:

Field	Description	Length	R/W
F	Fraction	10	R
Exp	Exponent	5	R
S	Sign	1	R

$$temp = -1^S \times 2^{Exp-16} \times F$$

Conf:

Field	Description	Length	R/W
S	Temp sensitivity	2	R/W
R	Repetitive temp read	1	R/W
T	Temp read timeout (if R == 1)	4	R/W
CG	Configuration good	1	R
SG	Sensor good	1	R