Sample response
A25545.81523.5
Syntax in HEX
41 32 35 35 42 37 33 33 44 BE 70 00
Amount of bytes
12

6.9.1.10. CasTemp Superheat – Output Telegram #10

Full syntax
#MODID;#BAT;#DATETIME#CJT;#TMP;#STATIONID;#RSSI;#HN;#ERRLIST;#ERR;#GN;#SH;#TL#PRSH;#ROC

Table 14: Syntax breakdown: CasTemp Superheat – Output Telegram #10

Syntax body	Description	Input	Output	
		ASCII	ASCII	HEX
#MODID|S,4|	MODID = **ID** of the CTW Qube	A255	A255	41 32 35 35
	S = string			
	4 = length of the string			
#BAT|B|	BAT = **battery level** of CTW Qube	56	56	38
	B = byte			
#DATETIME|T,UNIX,H|	DATETIME = current **date and time**	22/10/2013 12:46:31	22/10/2013 12:46:31	21 F7 02 BD C4 58
	T = date/time			
	UNIX = composite time-stamp of numerical values			
	H = high byte first			
#CJT|F,H|	CJT = **cold junction temperature**	70.4	70.4	42 8C CC CD
	F = floating point			
	H = high byte first			
#TMP|F,H|	TMP = **temperature**	1523.5	1523.5	44 BE 70 00
	F = floating point			
	H = high byte first			
#STATIONID|S,2|	STATIONID = **name** of the instrument	C1	C1	43 31
	S = string			
	2 = length of the string			
#RSSI|B|	RSSI = **signal strength**	88	88	58
	B = byte			
#HN|S,8|	HN = **heatnumber**	B15892	00B15892	30 30 42 31 35 38 39 32
	S = string			
	8 = length of the string			

Table 14: Syntax breakdown: CasTemp Superheat – Output Telegram #10

#ERRLIST|BIT,32|	ERRLIST = **error present**	11011000 00100110 11011000 00100110	11011000 00100110 11011000 00100110	D8 26 D8 26
	BIT = a series of signed bytes			
	32 = number of bits			
#ERR|B|	ERR = **state of the error**	8	8	08
	B = byte			
#GN|S,8|	GN = **gradenumber**	FM0654	00FM0654	30 30 46 4D 30 36 35 34
	S = string			
	8 = length of the string			
#SH|F,H|	SH = **superheat**	35.2	35.2	42 0C CC CD
	F = floating point			
	H = high byte first			
#TL|F,H|	LT = **liquidus CasTip**	1498.8	1498.8	44 BB 59 9A
	F = floating point			
	H = high byte first			
#PRSH|F,H|	SH = **predicted superheat**	35.2	35.2	42 0C CC CD
	F = floating point			
	H = high byte first			
#ROC|F,H|	ROC = **rate of change**	-0.23	-0.23	BE 6B 85 1F
	F = floating point			
	H = high byte first			

Sample response

A2555622/10/2013

12:46:3170.41523.5C18800B1589211011000001001101101100000100110800FM065435.21498.835.2 -0.23

Telegram in HEX

41 32 35 35 38 21 F7 02 BD C4 58 42 8C CC CD 44 BE 70 00 43 31 58 30 30 42 31 35 38 39 32 D8 26 D8 26 08 30 30 46 4D 30 36 35 34 42 0C CC CD 44 BB 59 9A 42 0C CC CD BE 6B 85 1F

Amount of bytes

59