Table 7: Example: High Byte First; Big Endian, standard register output

Word	Station	Description+length	Value (example)	Detailed description
0	1	status byte 3 - bit 0	0	E (HEX)
		status byte 3 - bit 1	0	
		status byte 3 - bit 2	1	
		status byte 3 - bit 3	1	
		status byte 3 - bit 4	0	4 (HEX)
		status byte 3 - bit 5	1	
		status byte 3 - bit 6	0	
		status byte 3 - bit 7	0	
		status byte 4 - bit 0	1	bit : Place 1
		status byte 4 - bit 1	0	bit : Place 2
		status byte 4 - bit 2	0	
		status byte 4 - bit 3	0	
		status byte 4 - bit 4	0	
		status byte 4 - bit 5	0	
		status byte 4 - bit 6	0	
		status byte 4 - bit 7	0	

Word	Station	Description+length	Value (example)	Detailed description
1	1	status byte 1 - bit 0	0	Red - End of measurement
		status byte 1 - bit 1	0	Yellow - Measurement busy
		status byte 1 - bit 2	1	Green - Probe detected
		status byte 1 - bit 3	0	Error measurement
		status byte 1 - bit 4	0	Carbon measurement
		status byte 1 - bit 5	0	Bath Level
		status byte 1 - bit 6	0	Celox Probe (Emf) Measurement
		status byte 1 - bit 7	0	Txd Complete - End of communication
		status byte 2 - bit 0	0	start measurement viewer
		status byte 2 - bit 1	0	Lines Open
		status byte 2 - bit 2	0	End Measurement Viewer

Table 6: Ouput registers

Offset	Place	Property	Format
0	1	Status	bytes
4	1	Error	byte

Status LEN = 4 BYTES (2 WORDS)

EAF_SLS

	Name	Data type	Address	Retain	Acces...	Writa...	Visibl...	Monitor value
1	SLS_WORD_0	Word	%IW68	☐	☑	☑	☑	16#0_4E
2	SLS_WORD_1	Word	%IW70	☐	☑	☑	☑	16#0200
3	SLS_WORD_2	Word	%IW72	☐	☑	☑	☑	16#0000
4	SLS_WORD_3	Word	%IW74	☐	☑	☑	☑	16#6865
5	SLS_WORD_4	Word	%IW76	☐	☑	☑	☑	16#6174
6	SLS_WORD_5	Word	%IW78	☐	☑	☑	☑	16#3037
7	SLS_WORD_6	Word	%IW80	☐	☑	☑	☑	16#3920
8	SLS_WORD_7	Word	%IW82	☐	☑	☑	☑	16#331B

4E = 'N'

Table 8: Possible probe types for status byte 3

HEX	ASCII	Probe type
4E	N	no probe, open line
54	T	temperature
43	C	carbon
4F	O	oxygen
44	D	carbon+oxygen
53	S	oxygen in slag
4C	L	level
45	E	E-con-O-Carb

The value of this byte changed from 4/2/1 as expected during a test to follow the bits representing the Green/Yellow/Red as indicated in the table.