SPECTRO-1 Series Changes from SPECTRO1-Scope V2.1 to V2.2

This manual summarises the changes that were made with the software update from **SPECTRO1 V2.1** to **V2.2**.

A software update from V2.x to V2.2 can be performed quite easily.

All you need is the FirmwareLoader V1.1 and the firmware files for version 2.2.

The FirmwareLoader V1.1 can be found on the CD that is provided with the sensor.

The firmware files are available from your sensor supplier.

The respective procedure is exactly described in the "Manual FirmwareLoader V1_1" file.

Change:

The GAIN parameter was extended with AMP 1 2 3 4 AMP 5 6 7 8 AMP 1 3 5 7 AMP 2 4 6 8

This extension makes it possible to set different amplification factors at the receiver with inputs IN0 and IN1.

This means that IN0 and IN1 are no longer available for other options.

Depending on GAIN and on the state of inputs IN0 and IN1 the following amplification factors are possible.

IN1	IN0	AMP 1 2 3 4	AMP 5 6 7 8	AMP 1 3 5 7	AMP 2 4 6 8
0	0	1	5	1	2
0	1	2	6	3	4
1	0	3	7	5	6
1	1	4	8	7	8

💥 SPECTR01-Scope V2.2							
SPECTRO1-Scope V2.2							
RECORDER SCOPE CONNECT PARA TEACH	RAW	4096					
POWER MODE STATIC	REF	3584 -					
POWER (pm) 500	0	3328 -					
0 500 1000	TEMP	3072-					
LED MODE DC DYNWIN HI 3300	0	2816-					
GAIN AMP5 DYNWIN LO 3200		2560-					
AVERA AMP1 EGRAL 1		2304-					
AMP3		2048 -					
ANALO AMP4		1792-					
ANALO AMP5 AMP6		1536-					
ANALO AMP7 CONT	OUTO	1280					
AMP8 DIGITA AMP 1 2 3 4 DIRECT	OUT1	768-					
HOLD [AMP 5 6 7 8 10.0	۲	512-					
AMP 1 3 5 7		256-					
DEAD 1 AMP 2 4 6 8 0	IN0						
RAM SEND GO	IN1	0 100					
GET GO	•	COMMUNICATION PORT 3 SPECTRO1 V2.2 RT Sep 13 2013					