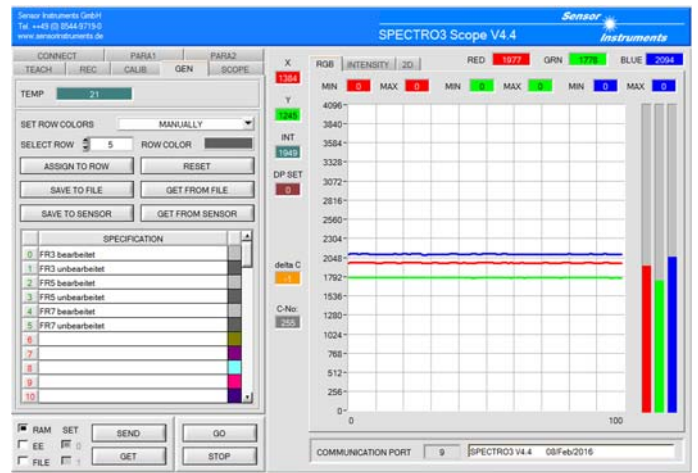
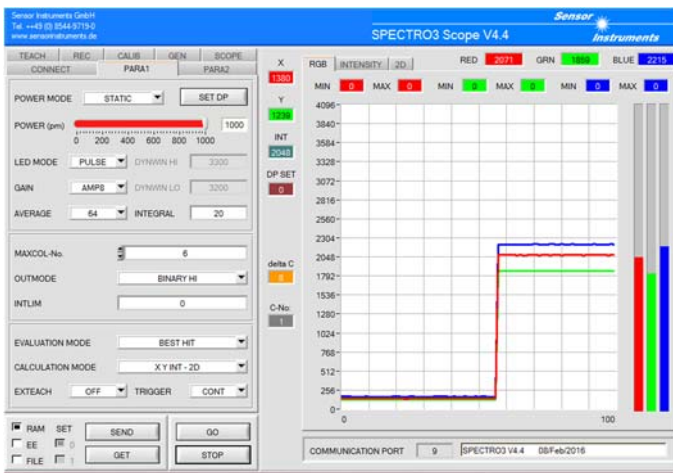




1. Gear differentiation

Non-treated gears should be distinguished from blackened gears. For this purpose, a color sensor type **SPECTRO-3-50-POL-JR** is used. Here, the distance from the sensor to the gear surface is approximately 50mm and the detecting range has a diameter of around 20mm in diameter. The blackened gears can be proper separated from the non-treated gears as shown in the screenshots.



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www.sensorinstruments.de

SPECTRO3 Scope V4.4

CONNECT: PARA1, PARA2
TEACH, REC, CALIB, GEN, SCOPE

	X	Y	CTO	INT	ITO	DP
0	1359	1181	200	153	200	0
1	1384	1246	200	1956	200	0
2	1354	1159	200	174	200	0
3	1374	1243	200	1724	200	0
4	1386	1218	200	210	200	0
5	1360	1214	200	2251	200	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
13	0	0	0	0	0	0
14	0	0	0	0	0	0
15	0	0	0	0	0	0
16	0	0	0	0	0	0
17	0	0	0	0	0	0

TEACH DATA TO No.: 6 Inc

TEACH MEAN TEACH REC RESET

RAM SET SEND GO
EE 0 GET STOP
FILE 1

X: 1326, Y: 1146, INT: 463, DP SET: 0, delta C: -1, C-No: 255

RGB INTENSITY 2D: RED 450, GRN 389, BLUE 551
MIN 0 MAX 0 MIN 0 MAX 0 MIN 0 MAX 0

Y-axis: 0, 256, 512, 768, 1024, 1280, 1536, 1792, 2048, 2304, 2560, 2816, 3072, 3328, 3584, 3840, 4096

X-axis: 0, 100

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