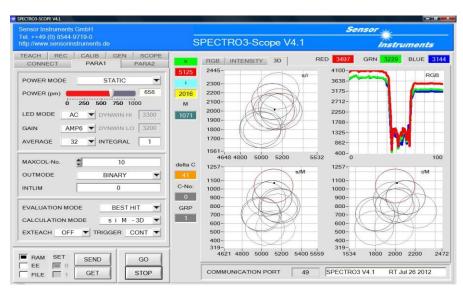


**Application - News** 

N°327 SPECTRO-3 series

## 1. Tarnish film detection on metal band

A tarnish film should be detected on metal band. For this purpose a color sensor type **SPECTRO-3-FIO-JR** in connection with an optical fiber type **R-S-R2.1-(6x1)-1200-67°** and an optical frontend type **KL-8** are used. The distance of the frontend to the metal band is approximately 11mm and the spot size at this distance around 0.7mm. The tarnish film can be proper detected as shown in the screen shots.



iensor instruments GmbH iel. ++49 (0) 8544-9719-0 ttp://www.sensorinstruments.de								Sensor 👾			
							S	SPECTRO3-Scope V4.1			Instruments
COR		EC	PARA	GEI	PARA2 N SCOPE		<b>5121</b>	RGB INTENSITY 3D	RED 3301	GRN 3054	BLUE 2996
	s	i	м	TOL		4	5121	s/i	3200-		RGB
0	5120	1999	1033	200	1		- 1	2300-	10000		
1	5163	2221	744	200	1		2011	2200-	2800-		
2	5140	1988	548	200	1		м	2100-	2400-		
3	5032	1786	544	200	1			2000-	2000-		
4	5001	1835	697	200	1		1051	1900-	1600-	14	<b>n 1</b>
5	5046	1978	882	200	1			1800-			
6	5170	2045	813	200	1			1700-	1200-		-114
7	5191	1995	801	200	1			1700-	800-		<b>~</b> •
8	4990	1796	708	200	1			1561-	400-		
9	5108	2105	900	200	1			4648 4800 5000 5200	5532 0		100
10	1	1	1	1	1	_	delta C	1257- s/M	1257-		i/M
11	1	1	1	1	1	_	21	1100-	1100-		UM
12	1	1	1	1	1	_	C-No:	1000-	1000-	1	
13	1	1	1	1	1	_	0			M	LAC
14	1	1	1	1	1	_		900-	900-	ATT	211
15	1	1	1	1	1		GRP	800-	800-	ALK	14
TEACH DATA TO No.: 10 Inc							1	700-	700-	K XXX	
TEACH DATA TO No.: 10 Inc								600-	600-		
EACH	HMEAN	VAL	TEACH	I REC V	ALR	ESET		500-	500-		1
								400-	400-		/
2		-			r			319- 4621 4800 5000 5200 5400	319- 5559 1534	1800 2000	2200 24
RA			SEND		G						
EE		0		-	-			COMMUNICATION PORT 49	SPECTRO	2.V/4.1 DT k	1 26 2012
FII	LE	1	GET		STO	90		COMMUNICATION PORT 49	SPECTRO	5 V4.1 RIJU	1 20 2012



