

**Application - News** 



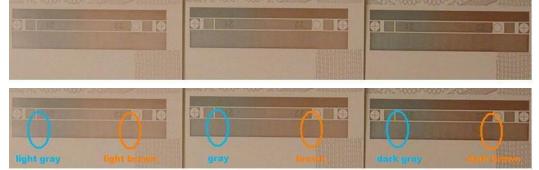
Sensor Let's make sensors more individual

## 1. Color- and contrast-control during the printing process of paper

During the printing of safety paper the color as well as the contrast should be controlled on two

fields on the reference color stripe. It should be observed the brown part as well as the

gray part and a signal should be sent to the control unit if the contrast or the color



runs out of tolerance. For the tests 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-R2.1** is used. The distance from the frontend to the paper is approximately 11mm. The white light spot size at this distance is around 4mm x 0.7mm. A proper detection of the gradient in the gray as well as in the brown range of the reference color mark is possible.



Sensor Instruments GmbH Tel ++49 (0) 8544-9719-0		Sensor w			
http://www.sensorinstruments.de		PECTRO3-Scope V3.3		Instruments	
NNECT PARA1 PARA2 TEACH TABLE	SOURCE	THREE SIDES VIEW	2770-	25	
	×	1600- X/Y	2595-	RGB	
OWER MODE STATIC	1505	1500-	2420-		
OWER (pm) 1000	Y	1400-	2245-		
0 250 500 750 1000	1357	1300-	2070-		
ED MODE AC V DYNWIN HI 3300	INT		1895-		
	2497	1200-	1720-		
AMP6 V DYNWIN LO 3100		1100-	1545-		
VERAGE 256 V		1049-, 1180 1400 1600 1794	1370-0	100	
NTEGRAL 1	delta C	2700- 2600 X/INT	2700-	Y/INT 1	
IAXCOL-No. 6	27	2000-	2600-	• ·	
BINARY V	C-No:	2400-	2400-		
	3	2200-	2200-		
		2000-	2000-		
VALUATION MODE BEST HIT		1800-	1800-		
ALCULATION MODE X/Y/INT		1600-	1600-		
XTEACH ON TRIGGER CONT					
		1392- 833 1500 2141	1392- 702 1000	1500 2010	
RAM SEND GO		(			
EEPROM SEND GO		COMMUNICATION PORT 8	SPECTRO	3 V3 3 RT KW35/10	

