



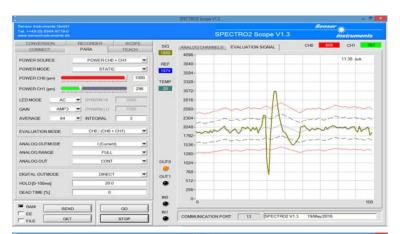
1. Welding line detection on stainless steel tubes

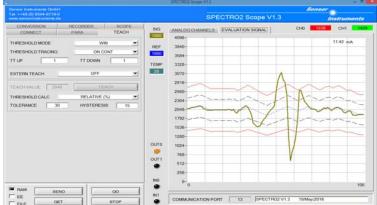
A welding line should be detected on stainless steel tubes. For this purpose a double contrast

sensor type **SPECTRO-2-FIO-(VIS/VIS)/(VIS/VIS)** in connection with an optical fiber type **R-S-A3.0-2x(3x1)-1200-Y-67°-2P/2P** and an optical frontend type **KL-9-A3.0** are used. At this, the distance of the optical frontend to the object is approximately 10mm, the spot size at this distance is around 1.5mm x 0.5mm for each of the two spots and the gap between the two spots is 0.5mm. Furthermore, the frontend is 20° tilted to the vertical axis. The welding line can be proper detected as shown in the screen shots.

Application - News

N°639 SPECTRO-2 series





el. ++49 (0) 8544-9719-0 www.sensonratiuments.de			SPECTRO2	Scope V1		Inst	uments	
CONNECT PAR CONVERSION RECO	A TEACH ORDER SCOPE	TIME CALCULATION	TIME CALCULATION IS BASED ON THE CYCLE TIME IN THE DISPLAY [ms]				CLOSE	
GET CYCLE	TIME	delta × [ms]	delta Y [dig	4 1367	M 334	SIGNAL	ALL	
[14] [14] [14] [14] [14]		3750-					200M 1.1	
FRIGGER MODE	INTERN OUTO	3500-						
RE TRIGGER VALUES (564)	10	3000-						
PROCEPT LEVEL ID A0901	2000	2750-						
CAN RATE [160 000]	1	2500-	N I					
SCAN	BREAK SCAN	2000-	hann			-	_	
PRINT SCOPE	GRAPH	1750-						
COMMENT (ADD TO PRINT)		1250-						
SPECTRO-2-FIO-(VIS/VIS)/(VIS/VI R-5-A3.0-2x(3x1)-1200-Y-67-2PI2 distance to the object Tomm angle to the object 20° to the vertic spot-size at the object 2x(1.5mm x	P*KL-9	1000- 750- 500- 250-			-		-	
		0-, 13	26 38	51 64	77 9	0 102	115 13	
		INO-		1				
		N1-					_	
FIAM SEND	00						_	

