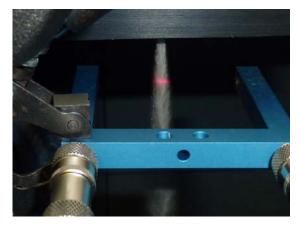




1. Spray jet amount control

The density of the spray jet should be controlled. For this task an analogue laser light barrier type **A-LAS-F08-0,5x4-50/50** in connection with an **A-LAS-CON1** control unit is used. The laser beam is directed perpendicular to the spray jet direction and will be reflected as well as deflected from the micro drops. As higher the amount of drops as lower the analogue signal at the receiver side of the laser through beam system. The **A-LAS-CON1** software allows both asynchronous and synchronous evaluation of the spray jet. As shown in the screen shots, a proper evaluation of the spray jet amount is possible.



A-LAS-CON1 Scope - Main Panel					
ensor Instruments GmbH Fel. ++49 (0) 8544-9719-0		Sensor 💥			
http://www.sensorinstruments.de		Instru			
CONNECT CHAN:A CHAN:B TEACH TABLE	RAW (A) CNTR (A) RESUL	T {A} RESULT {B}	CNTR {B}	RAW (B)	
ECORDER OSCI GEN. SETTINGS LIN.		.0049 0.0000	0	0	
CHANNEL A	MAX {A} 4096-	Lval. e	• • • • • • • • • • • • • • • • • • •	MAX {B}	
CHANNEL A	VAL (A) 3072-			VAL (B)	
Source Power [digits]:	4088 2560-			0	
1 🔻 🛑 592	MIN (A) 1536-			MIN (B)	
Hysteresis 0 Triggerlevel [digits]: 1000	MAX (A) 512-			MAX (B)	
	4094 0- Eval. begin			0	
ON V 200	ANALOG 0 128 256 OUTPUT 4096-	384 512 640		DIGITAL NO IN1	
Start timer ⁰ Counter: events 2000	3584-				
CH A falling edge Never	3072-			OUTO	
Norming Digital output on Holdtime	2048-			•	
	1536-			OUT2	
Evaluation condition (Evaluating from to) TMR A starting -> TMR A stopping	512-			OUT1	
Average Evalmode	0-128 256	384 512 640	768 896 1024	•	
1 V 4095 - avg. integral A Reset				- Scala	
RAM SEND CO MORO	RAW (A) VAL (A) EXT RAW (B) VAL (B) EXT	VAL B} CNTR (B) R	SULT (B) Panel V X	k-Scale	
ROM	Reading	14.5 frames per s	econd		
FILE GET STOP	ricuality				

