

Press Release Sensor Instruments

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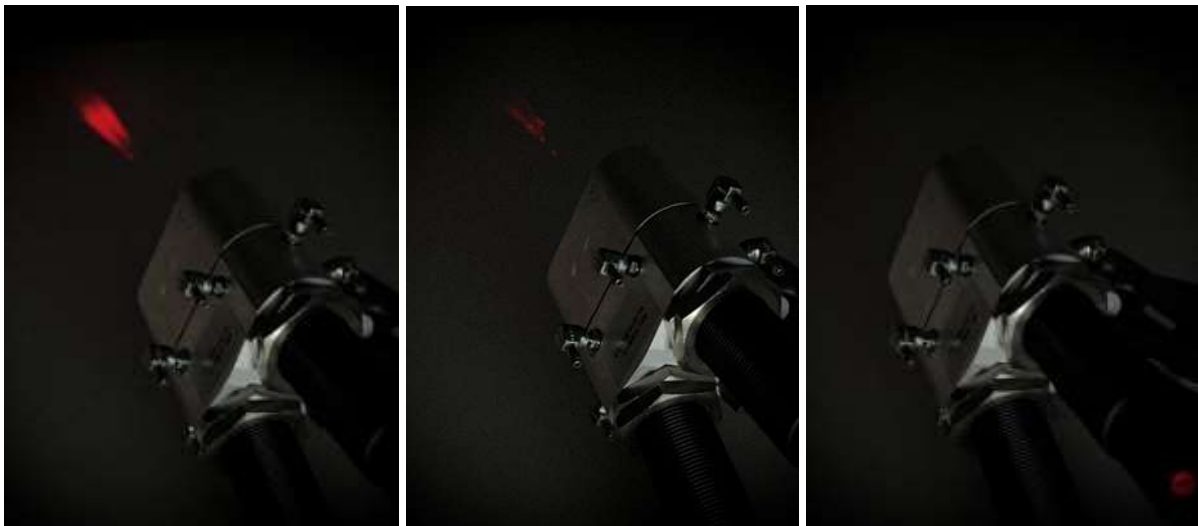
Spray jet control in reflected light mode

Measurement of the lowest spray quantities in the Ex area

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For applications with extremely low spray application, it is advisable to use a solution based on the reflected light principle.

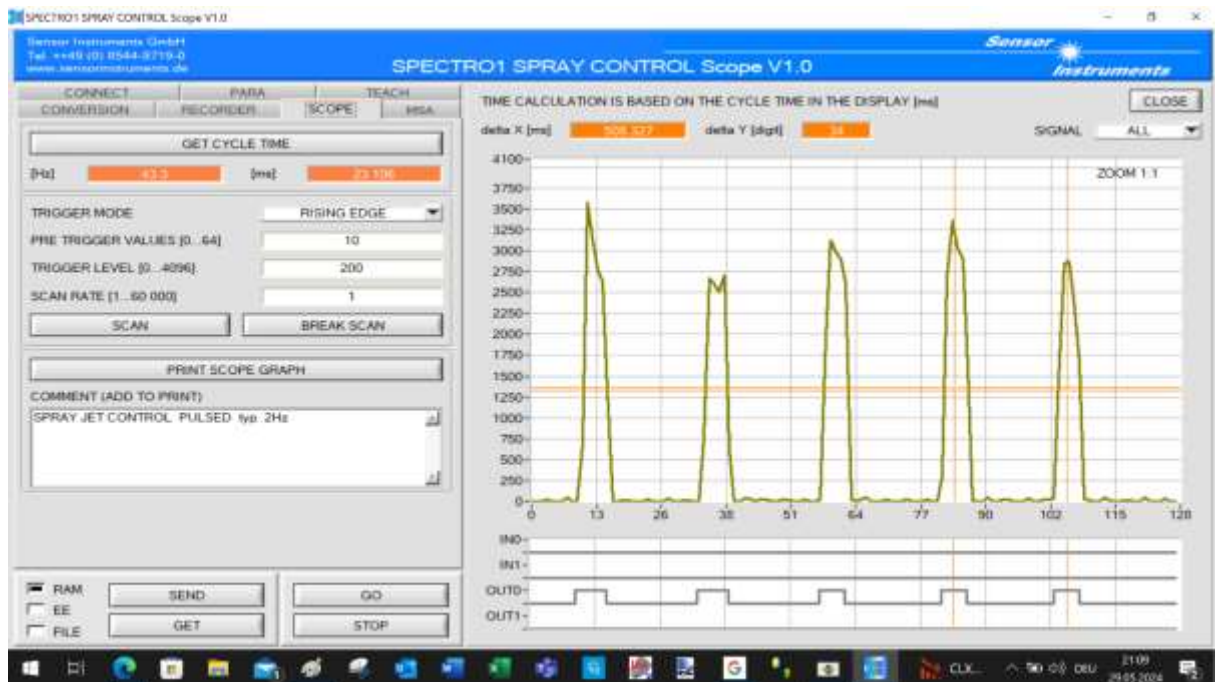
Many of these applications also take place in hazardous areas, which makes a fiber optic solution the preferred choice. The respective spray jet is usually no longer visible to the naked eye.



Spray jet control in the hazardous area

Using the ABL-V-ARRA-KL-M18-XL-A3.0 fiber optic frontend in conjunction with the SPECTRO-T-1-FIO-R/R control electronics, both the presence and the spray jet density can be reliably determined from a distance of typ. 60 mm between the front end and the spray jet.

The sensor front end also has blast air attachment, which can prevent spray droplets from being deposited on the optics even at low overpressure.



Spray jet control in pulsed operation

The Windows® software SPECTRO1 SPRAY CONTROL Scope V1.0 makes it possible to determine the pulse rate (for pulsed spraying) as well as the respective pulse intensity. The digital outputs of the electronic control unit provide information on whether the intensity of the spray jet is within the tolerance range. Further measurement data can also be queried via EtherNet or ProfiNet.

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