



### 1. Spray jet amount control in the Ex range

A spray jet should be controlled in the Ex range. It should be taken into account, that a system based on the transmitted light mode cannot be used for this application. For this purpose a contrast sensor type **SPECTRO-1-FIO-IR** in connection with an optical fiber type **D-S-A2.0-(2.5)-1200-67°** as well as an optical frontend type **KL-D-17°-49-A2.0** (or **KL-D-30°-23-A2.0**) will be used. At this, the distance of the frontend to the spray jet is approximately 50mm (30mm). The spray jet and even the spray amount can be proper detected as shown in the screen shots.

