



1. Turbidity control of water based cleaning systems

The turbidity of cleaning water used for cleaning systems should be controlled. Over time, the cleaning water becomes more and more an oil-in-water emulsion mixed with dirt, grease and small metal swarf. For turbidity control a contrast sensor type **SPECTRO-1-50-FCL-IR** is used. The sensor is directly placed in front of a gauge-glass to avoid direct reflection from the transmitter into the receiver. IR light will be reflected from the particles in the cleaning water and the signal detected at the receiver side is proportional to the contamination of the cleaning water. The contamination can be proper detected as shown in the screen shots.

