



1. Detection of the presence of foam on a liquid

The presence of the foam on a liquid should be detected. Furthermore the liquid level (+ foam, if present) should be measured simultaneously. For this purpose a laser displacement sensor type **L-LAS-LT-165-CL** is used. With a special software mode the presence of foam can be controlled in using the information about the width of the laser peak. It was observed, that the width of the laser peak on a liquid with foam is bigger compared to the laser peak on a liquid without foam at the same distance. However, in general, the width of the laser peak is dependent of the distance, thus the distance of the liquid level (+ foam, if present) should be taken into account. As shown in the screen shots, in using the distance information, a proper differentiation between liquid with and without foam can be realized.

