QUADBEAM TECHNOLOGIES

NEXT LEVEL EFFICIENCY

Application –Product Phase or Interface, Solids Recovery

Industry – Dairy Processing

Increase Yields / Control your Efficiencies / Control your Risk /Save Money

Product – Quadbeam Technologies S20 Hygienic Suspended Solids Sensor.

S20-3HY

Locating the exact point of transition between product and water or different products can be challenging with many plants relying solely on time and flow calculations.

A Quadbeam Technologies Sensor will quickly and accurately identify the interface time after time which could mean any or all of the following to your process;

- Faster Change Times giving to reduced down time
- Increased Yields
- Decreased waste treatment
- Decreased water consumption

With the use of a Quadbeam sensor you get to change at the actual point you want to, not a theoretical point.

Quadbeam's four beam ratio metric technology self compensates for change caused by contamination on sensor surface or aging of the instrument components, giving excellent repeatability. Without compensation you cannot guarantee the same point every time.

Our simple calibration process means that the unit is set up against the site's process and change over requirements.

Installation

Virtually any process or system that has a level of valuable solids and where regular CIP is done or several products are used in the same line are obvious places for savings through having an accurate change point. The S20 Hygienic Sensor mounts directly into a 3” Triclover fitting. A welding ferrule, gasket and clamp are also supplied. The MXD75 transmitter , which has a 10 point linearisation curve, is easily calibrated to relate a 4-20mA output to % solids in the line. This signal can then be fed into the plant PLC or DCS for overall control and monitoring.

Returns

Returns can vary depending on the size of the system and where the monitoring is installed. The system could pay for itself in days or months. Returns of $150,000pa and better have been secured when used in evaporators, UF, large receiving or storage silos, process ring mains and filling lines. Reduction in waste treatment costs with more solids going to product and less to waste.

Solids Recovery

Where there is an opportunity for the solids in the prerinse water to be saved and reused by concentrating through Evap or UF, returns can be outstanding.

Quadbeam Technologies Ltd
ph+64-9-2384609
www.quadbeam.com info@quadbeam.com