

INDUSTRY: ALUMINUM OXIDE (ALUMINA) PRODUCTION

PRODUCT: ALUMINA IN WATER

APPLICATION: Measure the Concentration of an Alumina and Water Slurry in a Four (4) Inch Pipe.

This is a Continuous Process with our system being used for Closed Loop Control and Visual Monitoring.

DESCRIPTION: Alumina:

- Is used to Produce Aluminum,
- Is used as an Abrasive on the Face of Sandpaper
- Is used to make an Alumina Ceramic

BENEFITS:

COST SAVINGS

- By knowing the Concentration of the Alumina that is being transported in a pipe, the Customer can control the how much he spends for Transport.
 - i. If the Concentration is too low, energy will be wasted transporting water
 - ii. If the Concentration is too high, pumps are strained and use too much energy, plus wear out quicker.
- By controlling the Concentration in the water at a value which has been selected for the most Efficient Operation, a Plant saves money.

REPEATABILITY: +/- 0.3 % is possible with a good Calibration Curve.

MEASURING RANGE: 5% to 20% Concentration is Typical.

HK EQUIPMENT: HK2-M IN LINE WITH A FOUR INCH PIPE AND NON CONTACTING SENSORS

