

Tek-Bar 3110A Overcome difficult Black Liquor level measurements in Paper & Pulp production!



Black liquor offers some unique measurement challenges, such as it is an extremely alkaline material that varies in density, depending on upstream flow. It must undergo many processing stages before the cooking liquor is regained. Containment of the spent liquor must be measured and controlled in a series of intermediate storage tanks. To add to the challenge, the black Liquor is sticky and easily coats the surface.

Solution

The Tek-Trol Tek-Bar 3110A pressure transmitters are used to measure the black liquor level. It provides proven and reliable measurement for the liquid level no matter what stage the Black Liquor is in. The process temperature of black liquor is typically 300°F. Therefore, diaphragm seals are used to isolate the transmitter.





Tek-Bar 3110A

concentrated to as

high a solid as possible before

being burned

in the recovery

boiler.

Exp.-Proof Pressure Transmitters