

ON LINE MOISTURE MEASUREMENT AT THE PRESS SECTION

Save Energy and Increase Production with the OnLine Moisture Measurement



Increasing Energy costs, have driven many manufacturers to look hard at the process to minimise the use of energy. One area in the paper industry is measurement of moisture at the wet presses with the sheet going in to the dryer section with moisture levels in the order of 55-70 %.

Relatively small reductions of the input moisture can offer large gains in minimising the energy usage in the dryer sections where moisture removal is much more expensive. This moisture meter offers significant benefits for moisture monitoring at wet presses.

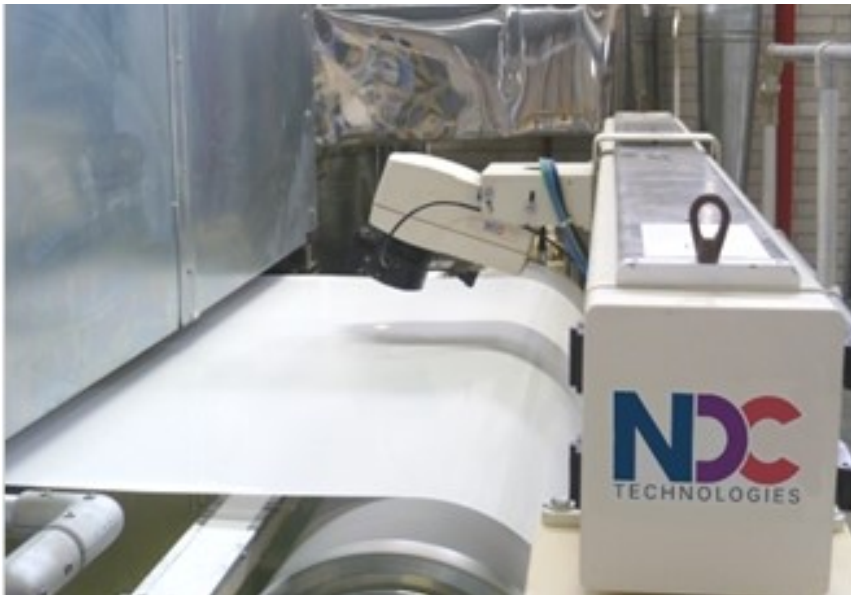


New **IG 710e S67** has been designed for the application of measurement in these very harsh environments, the sensor is manufactured with an IP 67 Stainless Steel housing (NEMA 6).

The sensor is installed and the measurement is used to evaluate different measures taken to minimise moisture entering the dryer section thus reducing energy usage.

Using highspeed signal processing, the patented 710e "light engine" delivers the highest resolution on-line NIR measurements available today and is unaffected by changes in process conditions such as product height variation (web flutter), product temperature variation, ambient lighting and relative humidity changes.

The IG710e is typically used in conjunction with one or more 710e Peripheral Devices to facilitate data display, networking and process connectivity. Gauges and devices are Ethernet enabled and connect to each other via standard Cat5E cable and all run on 24V DC power.



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