

KC/3 Blade Consistency Transmitter

KPM Products | Process Measurements



KC/3 Blade Consistency Transmitter is a reliable and maintenance free transmitter. Its patented, shock resistant seal-less transfer mechanism with unbreakable diaphragm makes it the only transmitter in the market with no moving parts or o-rings seals in the transfer mechanism, making it impossible for process liquid to leak inside sensor. All wetted parts are constructed of titanium. It is a 2-wire transmitter with modern Hart technology, and no external AC power supply is needed.

The wide measurement range (consistency 2–16%) implies that one transmitter type fits all applications with appropriate blade type. A unique highly sensitive eddy probe measures shear force accurately. A remote display unit can be mounted at any desirable location. The large display and intuitive menu driven user interface, entail simple set-up, calibration and troubleshooting functions.

All parts in KC/3 Blade Consistency Transmitter are field changeable and most of them can be replaced without

removing KC/3 from the line. No regular maintenance is required. As a result of the seal-less transfer mechanism – no special training or special tools are needed; customers can repair it by themselves, without sending the transmitter to the manufacturer for any repair work.

A one-point calibration sequence is used and included built-in features are: time-stamping of samples for later evaluation and calibration, calibration calculation with multiple points and statistics, and remote selections for different pulp grades. Start-up and calibration is very easy, due to the one-point calibration sequence, and can be done by mill's instrument personnel.

Benefits

- Installation to Sandvik NS70 Saddle
- Fits to standard process coupling of Valmet Pulp-EL and Smart-Pulp, BTG MBT and SBT
- All parts easy to replace in the mill with standard shop tools
- Gap measurement probe and electronics can be changed and tuned without taking transmitter off from process
- Quick-Cal procedure: Automatic calibration parameter tuning and position adjustment when laboratory consistency value is entered
- Low installation and lifetime costs

For more information, please contact:

ABB OY, KPM

Kettukalliontie 9 E
FIN-87100 Kajaani
FINLAND

Tel: +358 10 22 11

E-mail: fi-kpm@fi.abb.com

www.abb.com/pulpandpaper

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