

KC/7 Microwave Consistency Transmitter

KPM Products | Process Measurements



KC/7 Microwave Consistency Transmitter measures total consistency of mixed pulps, different quality pulps, and pulps with fillers. With the reliable and well tested microwave true-phase measurement technology it has proven excellent measurement accuracy. Additionally the transmitter's straight-forward design, with no moving parts, guarantees high uptime and a minimum of maintenance.

KC/7 Microwave Consistency Transmitter delivers highly accurate total consistency measurement based on true-phase measurement method of microwave signal. True-phase technology is the latest invention in the microwave field, when it comes to measuring consistency.

Total consistency measurements

KC/7 Microwave Consistency Transmitter is unaffected by variations in pulp grade (fibre length, freeness, kappa, brightness, colour, and shives) unlike other transmitters based on optical and shear force technologies. It is applicable close to the paper machine, after mixing chest and machine chest, and it is especially recommended at paper machines for mixed furnishes and fillers. In pulp production it is applicable before first bleaching stage, after bleaching before drying

machine, at mixed pulps and fillers, broke and recycled pulps. KC/7 Microwave Consistency Transmitter is resistant to changes in process conditions such as flow rate, pressure, temperature, and turbulence.

Maintenance-free

With no moving parts, the transmitter's reliability can be guaranteed, and since there is no need for regular preventive maintenance the running costs are low.

Easy-to use display

The display unit can be placed at any desirable location to facilitate operation. Single-point calibration sequence and the large display with intuitive menu-driven user interface entail simple set-up, calibration and troubleshooting functions.

Benefits

- Measures total consistency including fillers
- Single-point calibration work for all grades
- Low installation and lifetime costs
- Robust design – no moving parts
- Reliable
- Not affected by process and furnish changes
- Easy-to use display

Application

- Blend / Mixing chest
- Machine chest
- Recycled pulps
- Pulps with changing quality (freeness, kappa, ash)

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