



The OC sensors are pre-calibrated for quick and easy start up.

In-line and by-pass sensors

KPM offers full range of optical consistency transmitters for in-line and by-pass installations. Optical consistency transmitters are the best choice for range 0–2 %Cs. The sensor measures fibers and particles that are greater than 0.88 microns, such as stock from 0.001 % (10ppm) to 15 %, (depending on type of stock).

The measuring principle is based on the ability of suspended particles to absorb and reflect/ transmit NIR-light (near infrared), which is pulsed at 880 nm.

Robust design in SS316 steel

The OC sensors are constructed of 316SS with sapphire glass lenses, to withstand the most aggressive media. The sensor pressure class in PN25 for by pass sensors and PN16 for in-line sensors.

OC In-line Sensors

The OC 20/70 can be installed directly to the process pipe in a similar way as blade type consistency transmitters.

OC By-pass sensors

The OC by-pass consistency sensors are developed to measure fiber consistency in liquids from 0.001–2 %. The OC P03/25 has polarizing measurement making it suitable for paper machine retention measurement, where there are variations in ash content.

The sensors have a 20 mm (OC P03/25 has 3 mm) gap between the lenses, which produces a self-cleaning effect due to the increased velocity. The OC 20/25 has a special meter 20/25-LC for mill effluents and OC 20/25-K for white liquor dregs measurements.

Remote display unit

The sensors are pre-calibrated for quick and easy start up. After installation, one-point adjustment is performed against a laboratory test.

The OC display unit has four selectable calibration curves for applications with varying furnishes.





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KAJAANI PROCESS MEASUREMENTS Ltd., Kettukalliontie 9 E, FIN-87100 Kajaani, FINLAND. Phone: +358 10 548 7600. Fax: +358 8 612 0683. E-mail: fi-kpm@abb.com Applications for consistency control, sampling and sheet break detection representing the most progressive solutions in the field. All products are supported by KPM and Lorentzen & Wettre global network of sales and support and expert consultancy services. KPM is a part of the ABB Process Automation division.