



KC/3 CONSISTENCY TRANSMITTER



Reliable, damage resistant transmitter

Patented, shock resistant *seal-less* transfer mechanism with unbreakable diaphragm stops process from entering transmitter; all wetted parts are constructed of titanium.

Measures a wide consistency range

(2 - 16 %)

One transmitter type fits all applications. A unique highly sensitive eddy probe measures shear force accurately.

Remote display unit

Remote display unit can be mounted to any desirable location. Large display and intuitive, menu driven user interface which features simple set-up, calibration and troubleshooting functions.



Simple calibration

One-touch calibration sequencing makes sampling, set-up and calibration easy. Built-in features include: time-stamping of samples for later evaluation and calibration, calibration calculation with multiple points and statistics, and remote selections for different pulp grades.



Low installation and lifetime costs

Standard stainless steel mounting saddle (titanium option available). Seal-less transfer mechanism with no moving parts or O-rings means low service requirements and no regular maintenance is required. All parts are field changeable.



SPECIFICATIONS

SENSOR TYPE	Blade Consistency Transmitter
OUTPUT SIGNAL	2 -wire, 4 - 20 mA + HART
MEASURING RANGE	2 - 8 % with standard blade 2 - 8 % with recycled unscreened blade 6 - 16 % with high consistency blade
SENSITIVITY	Better than 0.01 % Cs
PROCESS PRESSURE	Max. 363 psi (25 bar)
PROCESS TEMPERATURE	32 - 248 °F (0 - 120 °C)
AMBIENT TEMPERATURE	32 - 149 °F (0 - 65 °C)
STORAGE TEMPERATURE	-59 - 176 °F (-50...+80 °C)
FLOW VELOCITY	1.6 - 16 ft/s (0.5 - 5 m/s) Standard blade 1.6 - 16 ft/s (0.5 - 5 m/s) Recycled unscreened blade 1.6 - 26 ft/s (0.5 - 8 m/s) Medium consistency blade
WEIGHT	Transmitter 5.1 lbs (2.3 kg), Display unit 4.9 lbs (2.2 kg)
PROCESS CONNECTION	Clamp connection to mounting saddle. Saddle welded onto process pipe. All required hardware included with the transmitter.
PROCESS PIPE SIZE	4" (100 mm) diameter or larger
MATERIALS	All wetted parts are titanium. Mounting gaskets PTFE, Mounting saddle SS316L, Duplex stainless steels and titanium optional; clamp SS304.
LOW VOLTAGE & EMC	IEC 6100-4-3 and CISPR 11
ENCLOSURE CLASS	Sensor unit NEMA 4X (IP 66), Display unit NEMA 13 (IP65)
DAMPING	1 - 99 sec.
CALIBRATION	Memory for 10 samples (FIFO). Built-in calibrator.
BUILD IN CURVES	Seven (7) built-in calibration curves for Softwood, Hardwood, TMP, CTMP, Groundwood, Recycled, Eucalyptus + one (1) user specific.
BINARY INPUTS	Three (3) to select calibration curve and one (1) for sample button.

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