



## 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

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

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