



SENSOR PLATFORM FOR PAPER BASIS WEIGHT AND MOISTURE MEASUREMENT

	Smart basis weight sensor	Smart infrared moisture sensor
Measurement Principle	Beta ray absorption, measures total mass of paper, board or pulp	Infrared energy absorption, measures water weight content of paper
Radiation Source	Krypton 85	Standard lamp
Range	8 – 750 gr/m ²	Up to 15% of basis weight or 25 gr/m ² of water, whichever is greater
Accuracy	± 0.16 gr/m ² or ± 0.1% of basis weight range, whichever is greater	± 0.5 % moisture depending on basis weight range
Repeatability	Better than ± 0.1% on secondary standards	Better than ± 0.25% moisture on secondary standards
Dynamic Correlation	± 0.2% to 0.6% depending on sampling method	± 0.5% moisture depending on sampling method
Temperature	16 - 85°C	16 – 85°C
Output	Industrial Ethernet	Industrial Ethernet
Cooling	Instrument air	Instrument air

Technology Trade Consulting Inc.

21941 CONCESSION 3 P.O. BOX 2000 BAINSVILLE ONTARIO CANADA K0C 1E0 TEL+1 (613) 3477048 FAX +1 (613) 3477059 www.ttcinc.ca