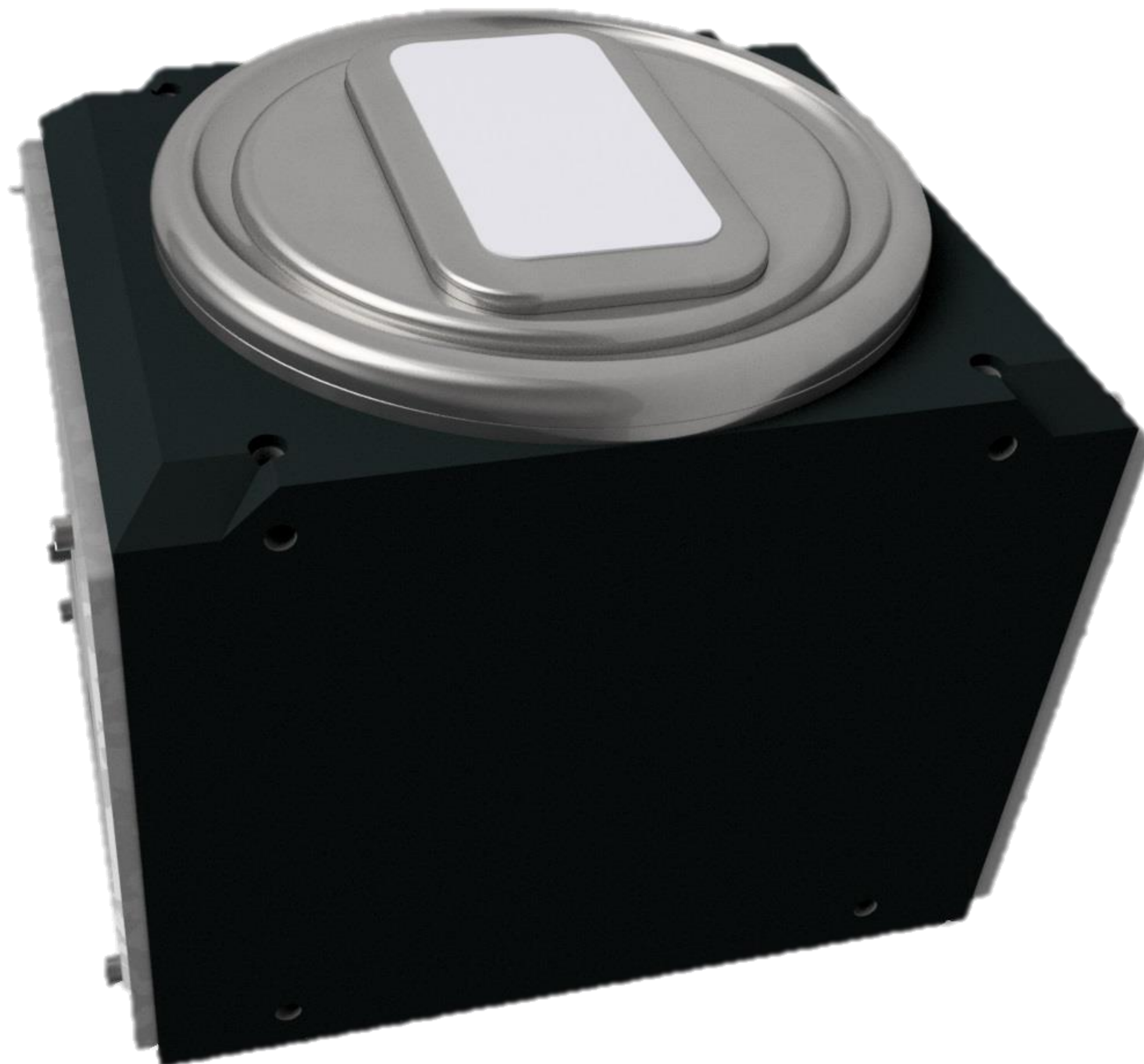


# SCIENTA ONLINE ASH WEIGHT SENSOR



- ✓ **Double sided X-Ray based sensor using a scintillation detector**
- ✓ **Non-contact sensor**
- ✓ **Connection to sensor using Profibus or Modbus Fieldbus**
- ✓ **More accurate online measurements with variable gamma source energy levels**



## MEASURING METHOD

The Scienta 7213X Online Sensor series is based on the measurement of absorption of Gamma rays in a scintillation detector. The radiation source is soft x-ray transmitter tube, which is powered by an internal power supply generating 5-10 kV. The unit is very compact and has a built-in Profibus Fieldbus connection, which can be changed into a Modbus network by changing the software settings. A USB connection is used to manage the internal linearization and filtering options.

## BENEFITS

to process applications such as paper, board, nonwovens, foils, resin impregnation, laminating etc.

- Non-contact measurement
- Service free construction
- Easy and convenient to install and operate
- Full range of scanners available
- Easy calibration and setup
- More accurate on-line measurements
- Faster on-spec quality and reduced start up waste
- Reduction in rejects due to high performing measurements
- Minimization of energy consumption by accurate and reliable Ash Weight measurements and controls
- Machine speeds can be increased on drying limited pulp and paper machines

## TECHNICAL SPECIFICATIONS

Sensor Type	7213X
Method	X-Ray
Construction	Double Sided
Range	5 – 150 g/m <sup>2</sup> (300 g/m <sup>2</sup> )
Accuracy	0,25 g/m <sup>2</sup> (2 σ)
Repeatability	0,20 g/m <sup>2</sup> (2 σ)
Recommended measurement gap	13 mm
Power requirements	+24V, 1A
Installation	Scanning/Fixed

Sensor Type	7213X
Measurement Resolution	0,1 g/m <sup>2</sup>
Interface Options	Profibus DP
	Modbus RTU
	USB
Environmental Conditions	10 - 60 °C 10 - 95 % RH
Liquid Cooling	Optional