

Quality Control System for Paper/Board Machines

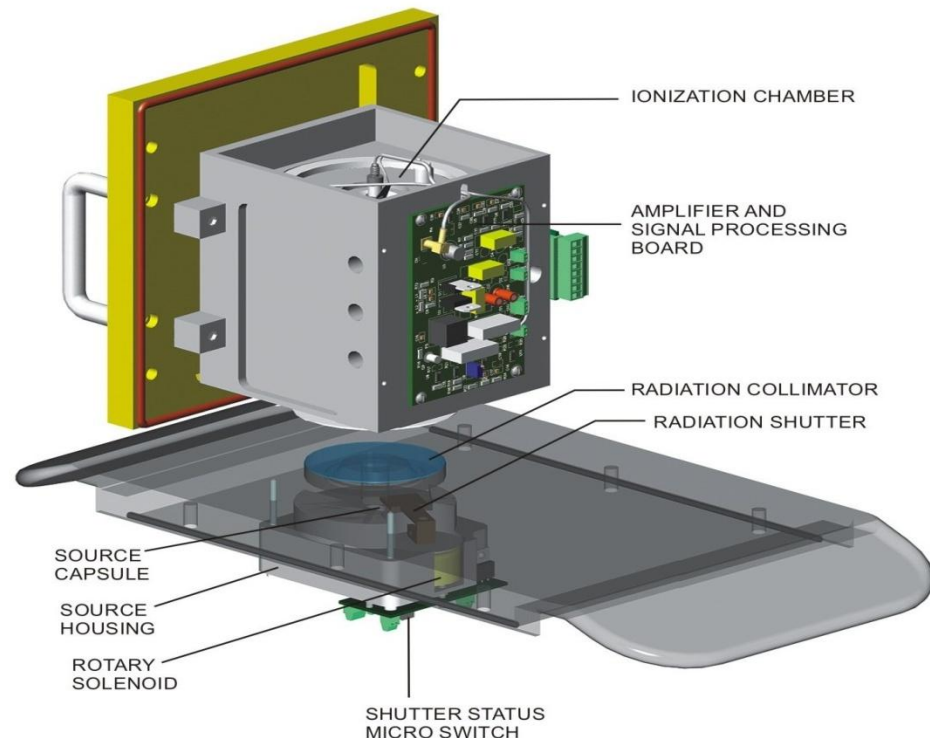


SC-3000-BM(A)

Basis Weight Sensor

➡ BASIS WEIGHT SENSOR

- ★ Beta Transmission Sensor
- ★ 200mCi Kr 85 Radioisotope (10-1000 g/m²) or 500 mCi Pm 147 (10-200 g/m²).
- ★ Accuracy & Repeatability : 0.25% or 0.25 GSM (whichever the greater)
- ★ Sampling Time : 10msec
- ★ Air Gap : 10mm
- ★ Operating Temperature : 0-70° Celsius
- ★ Ionization Chamber Detector with Electrometer amplifier
- ★ Integrated signal conversion through 24 bit A/D converter with in-built digital filters
- ★ Digital interface with Interface unit
- ★ Spot Size : 12mm
- ★ Air gap temperature compensation
- ★ Z-axis compensation for long scanner widths
- ★ Insensitive to paper formation

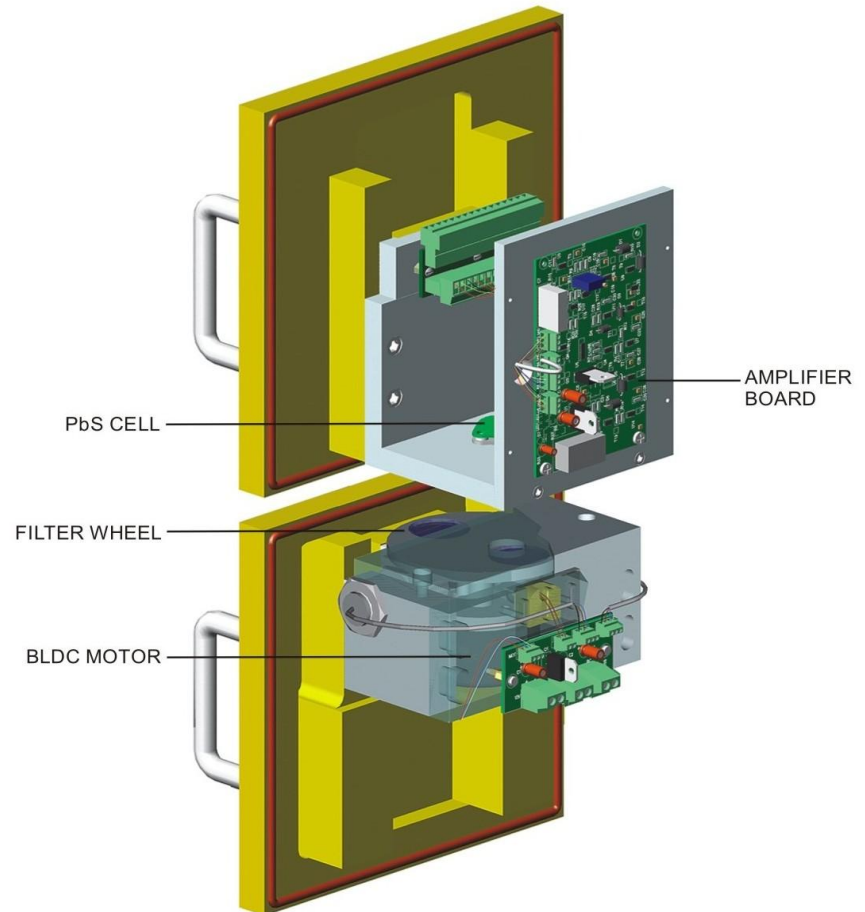


Moisture Sensor

MOISTURE SENSOR

Near Infrared Transmission/Backscatter Sensor

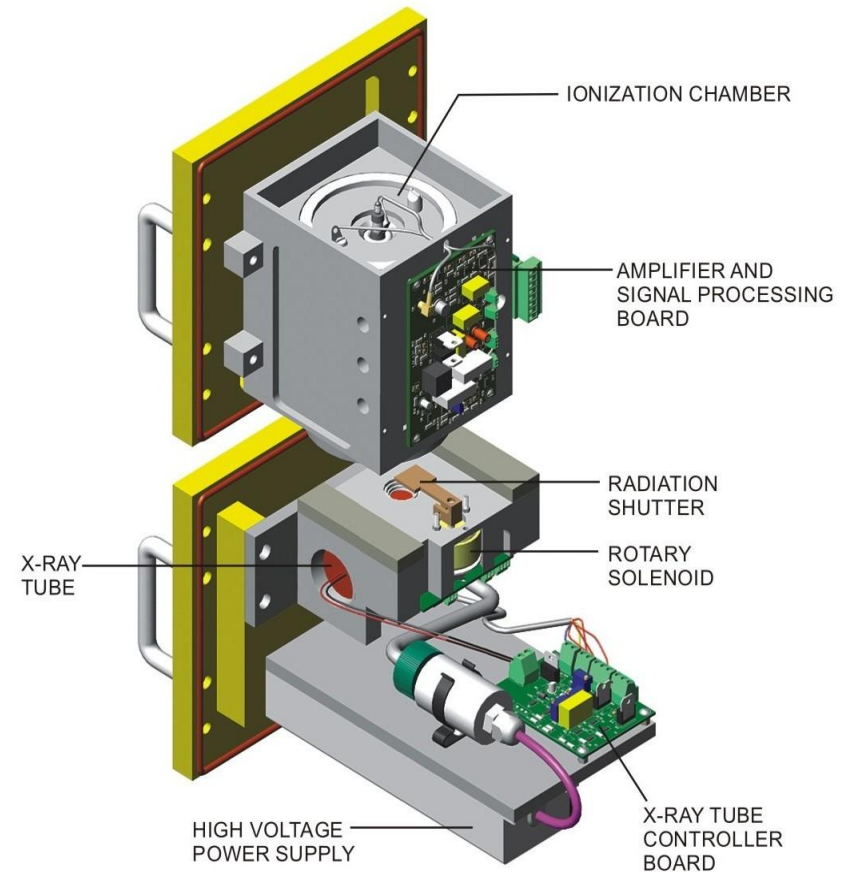
- ★ Measurement Range : 0-15%
- ★ Accuracy & Repeatability : $\pm 0.1\%$
- ★ Sampling Area : 20mm circular
- ★ Operating Temperature Celcius : 0-70°C
- ★ Sampling Time : 10msec.
- ★ Insensitive to paper scattering using special scattering optics
- ★ Carbon black compensation



Ash Contents Sensor

ASH CONTENTS SENSOR:

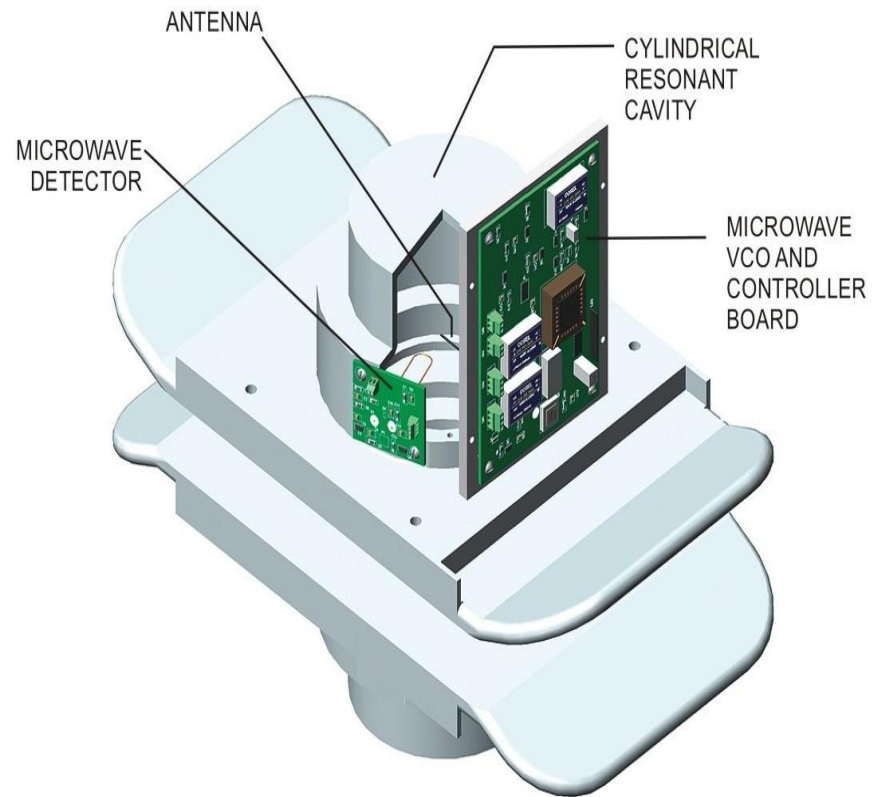
- ★ X-Ray Transmission Sensor : 2W, 10KV (max) X-Ray Source
- ★ Measurement Range : 10-400 GSM
- ★ Accuracy & Repeatability : $\pm 0.4\%$
- ★ Air Gap : 10mm
- ★ Sampling Time : 10msec.
- ★ Operating Temp. : 0-70^o Celcius
- ★ Ionization Chamber Detector with Electrometer amplifier
- ★ Integrated Signal Conversion through 24bit A/D converter with inbuilt digital filters.
- ★ Digital interface with Interface Unit
- ★ Spot Size : 12mm



Microwave Sensor

► MICROWAVE SENSOR

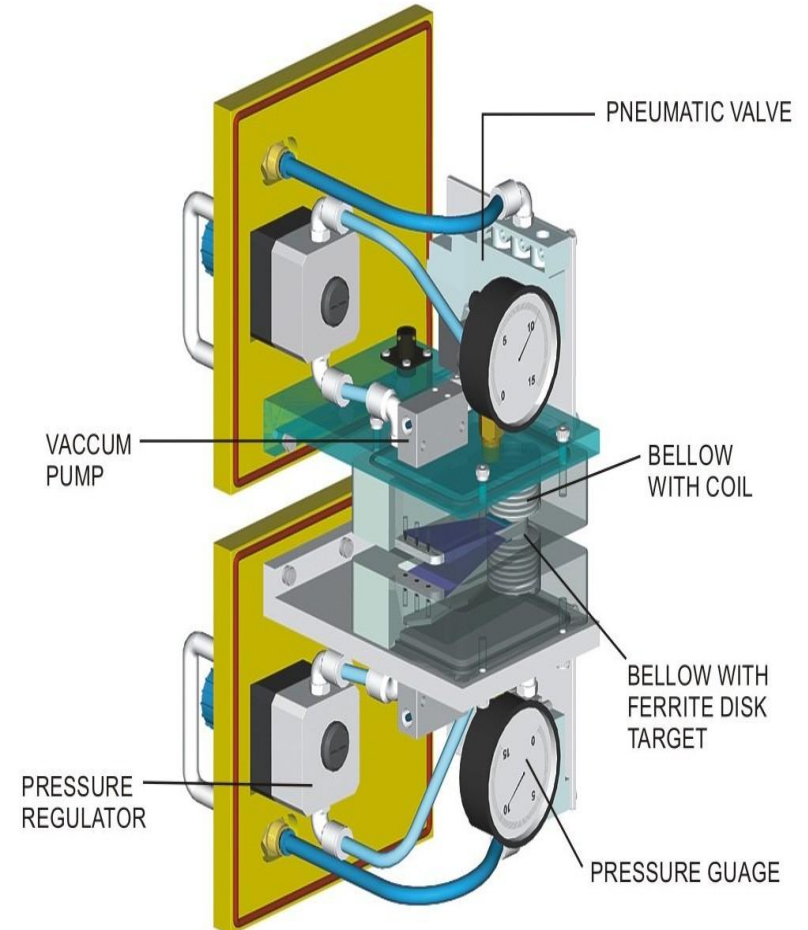
- ★ Insensitive to ink residues in recycled paper or color of the sheet
- ★ Insensitive to surface structure or moisture stratification.
- ★ Insensitive to fillers such as China clay or whiteners
- ★ Sampling Frequency : 100 samples per second
- ★ Measurement Range : upto 100 GSM of water
- ★ Measuring gap : 10mm
- ★ Measuring Area : Circular 50x50 mm
- ★ Operating Temperature Celcius : 0-70°C



Caliper Sensor

➡ CALIPER SENSOR

- ★ Measurement Range: 0.02 - 1.00 mm
- ★ Repeatability: 0.5 micron
- ★ Dynamic Correlation: 1.5 micron
- ★ Long term stability: 1.0 micron
- ★ Sampling Time: 10msec



Scanner Frame

- ❑ Precision manufactured Box Beam design.
- ❑ Sensor carriage on linear motion guides based on ball bearings over rated many times.
- ❑ Power Track cable carriers for reciprocating cables.
- ❑ Steel reinforced timing belt drive.
- ❑ Variable scan speed through variable frequency inverter drive (max. 16m / min.)
- ❑ Maintenance free AC Motor.
- ❑ Frame totally enclosed from all sides to shield all mechanical & electronic components.
- ❑ Excellent dirt exclusion.
- ❑ Optional pressurized frame.
- ❑ High Speed two wire Serial RS 485 interface to Process.

Contact us at

Industrial Sensors International Sales & Services (I.S.I.S.S.) bvba



Britselei 10
B-2000 Antwerp
Belgium

Tel: +32.3.205.96.80
Fax: +32.3.232.80.98
@: info@isiss.be
www.isiss.be