

INSTRUMENTATION - Bianco® WEIGHTEX

Bianco® INSTRUMENTATION is a complete range of components for optimal control of fabric processes at various stages of finishing.

Bianco® WEIGHTEX SWB1 / SWT1 are non-radioactive systems for measuring the specific weight of running tapes.

Bianco® WEIGHTEX SWB1 Contactless measurement of basis weight for fabrics and thin material webs

Bianco® WEIGHTEX SWT1 Contactless measurement of basis weight for fabrics and for coupled, laminated and coated moving webs



measurement principle

soft low-energy X-ray backscatter **SWB1**
soft low-energy "attenuation" X-ray **SWT1**

beam generator

X-ray tube

measuring range

10 – 700 g/mq on PET base **SWB1**
50g – 10Kg/mq on PET base **SWT1**

repeatability

+/-0,1% o +/- g/mq on PET base (2 sigma 1s – the greater)

free distance for tape rolling

15 mm **SWB1**
25 mm **SWT1**

electric power of complete measuring system

< 1Kva (including control panel and cooling system)

sensor temperature range

5 – 70°C

control panel temperature range

0 – 55°C

cooling cabinet temperature range

5 – 50°C

installation positioning

fixed or sliding on a translation structure for measurement of the full fabric width

velocità di traslazione sistemi a scansione

1 – 10 m/min depending on the application field **SWB1**
3 – 30 m/min depending on the application field **SWT1**

The specification, data and drawings contained herein are purely indicative and may be subject to changes at the discretion of the manufacturer.

