

The new PLEVA RR-WIDE Box to measure Residual Moisture at stenters

PLEVA presents the new residual moisture measurement RR-WIDE box for stenter frames for open width knit goods and woven fabrics

The PLEVA measuring device type RR-WB measures the residual moisture over the full fabric width on two guide rollers made of stainless steel.

The RR-WIDE Box will be used at e.g. knitted fabric, or at surface sensitive fabrics like sanded, raised or high-piled fabric after stenter frame.

The measuring range at cotton is 3,5 % up to 16%.



Electronic box type RR-WB with digital display

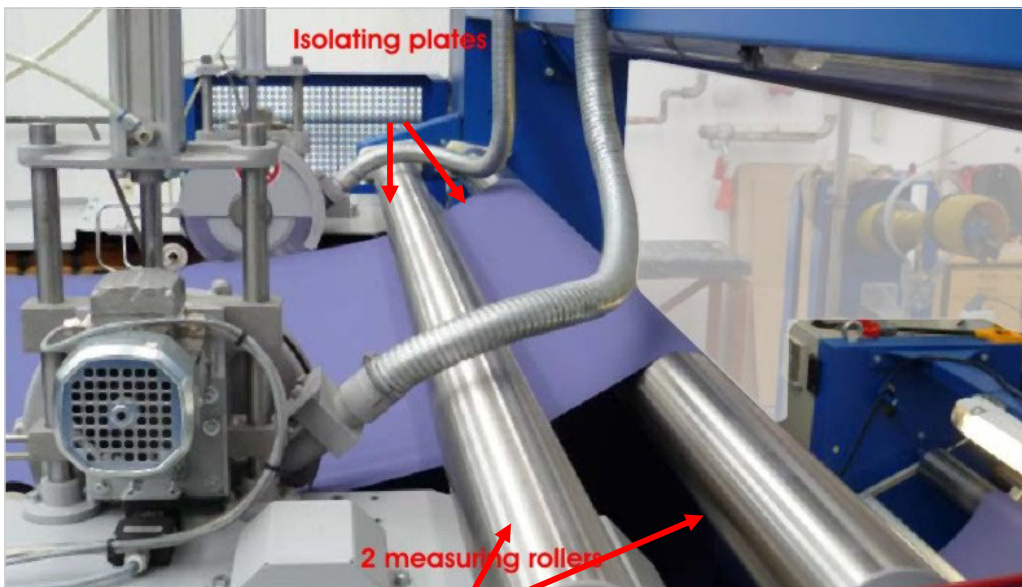


**Reliable
measurement of
residual moisture**

**Avoid marks
on the fabric**

Favourable price

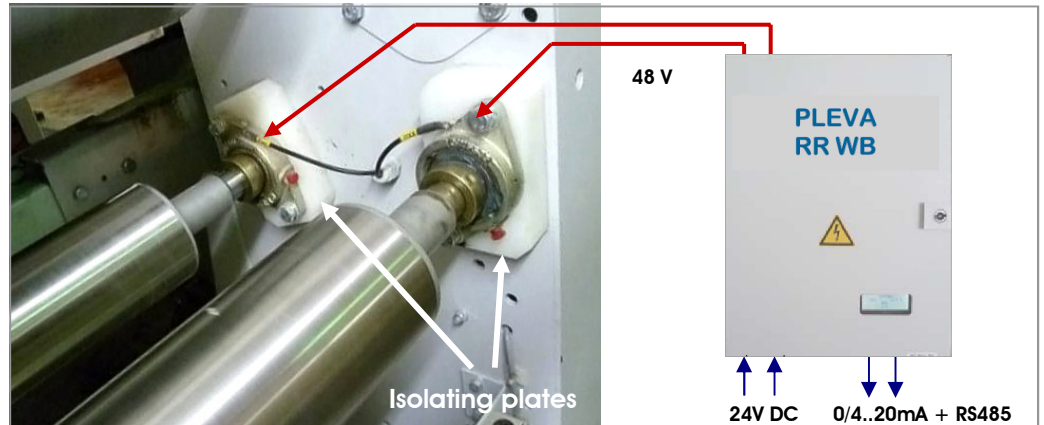
Measurement through metallic guide rollers at the outlet of stenter



Example of guide rollers made of stainless steel, mounted electrical isolated to the machine frame at the outlet of stenter.

**Best investment in
Optimised Drying**

Principle of residual moisture measurement at stenter with RR-WIDE box



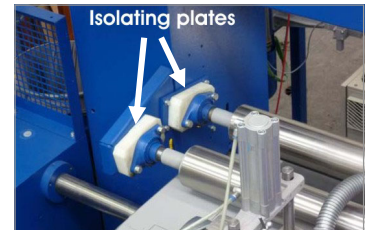
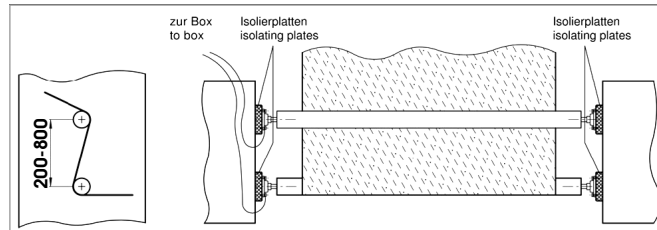
The residual moisture measuring device RR-WB measures the electrical resistance between two existing guide rollers made of stainless steel. Each roller has to be mounted electrical isolated to the machine frame.

The actual value of residual moisture is shown on the digital display of the RR-WIDE Box.

An analog output 0/4..20mA and the communication bus RS485 is included to connect the RR-WIDE box to all controllers of CINTEX-PLEVA, or by analog signal to common controls / PLC.

Mounting of rollers at stenter frame

Both metallic measuring rollers must be isolated with respect to the machine frame. Therefore both roller bearings must be mounted on isolating plates delivered by us.



The electrical connection of the measuring rollers is done with measuring cables from our connection kit. The cables are connected to the roller bearing via a M6 cable lug.

Fabric enlacement of each roller must be >45°.

Distance between the measuring rollers 200...800 mm.

Installation of isolating plates for guide rollers on the outlet of a stenter frame.

Measuring roll and ground roll have to be provided by customer.

CINTEX-PLEVA units to control residual moisture



COMPACT controller CP35



CIMATIC controller PP70-PP100

Scope of delivery

- **Electronic box type RR-WB** consisting of:
 - HIMA6-preamplifier
 - Display and internal keyboard
 - Microprocessor board
- **Connection Kit** consisting of:
 - Wiring of measuring and ground roll
 - Isolating kit of measuring and ground rolls, with 4 isolation plates made of PA

Reliable and sturdy

Designed for dyehouse environment