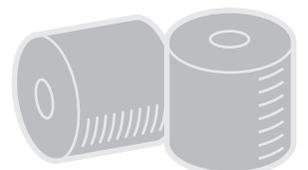


**oerlikon**  
neumag

# Resistance Thermometer 6X PT1000 (Angle Plug)

**Perfectly adjusted to your BCF process  
for constant crimp of top quality**



# Higher precision and reliability of measuring results proven in BCF R&D

## Your advantages:

Optimal draw ratio for best yarn stability and uniform crimp based on the following features:

- Ideal arrangement of the sensors to the heating zones of the godet
- Plain temperature profile
- High-precision temperature measurements
- Moisture proof for top quality processing of the sensor tube
- Simple demounting, quick change
- Process security due to running smoothness for godet weight adjustment
- Maximum lifetime of thermometer due to high temperature stability

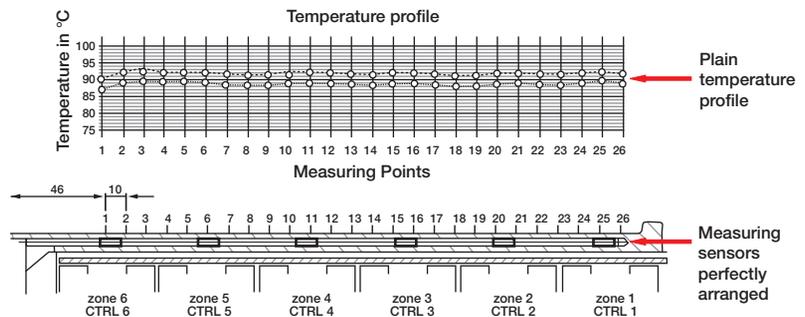
## System competence is intentional: R&D, manufacturing and service from one source

Oerlikon Neumag as system provider for the complete BCF process has a comprehensive know how as no-one else in all fields of the carpet yarn draw unit. Oerlikon Neumag is not only developing individual parts but also whole draw-texturizing machines and associated complete processes and can, thus, optimally define the technical specification for a resistance thermometer in the godet.

## Irregular crimp as concept of enemy

The uniform crimp of the yarn is a decisive factor for producing first-class carpets. Differences in temperature of the draw-godet result in irregularly crimped yarn. This, however, is only shown at a later date in the value chain as stripes in the carpet. Therefore, reliable and precise sensors such as the original Oerlikon Neumag resistance thermometer are of major importance.

## Measuring the heat where it is being generated enables regulating a straight temperature profile on the godet for evenly crimped yarn



## More safety based on reliable measuring results

Knowing that the process control system indicates the real godet temperature and the controller receives the actual values, this gives confidence. What is crucial is that the sensors are placed where the heat is being generated, i.e. where the heating zones of the godet are located. Oerlikon Neumag has also developed the complete component and designed the resistance thermometer in such a way that a straight and plain temperature profile at a precision of  $\pm 0.43$  °C is ensured! Variations in temperature especially on the godets are fatal. Already  $\pm 1$  °C are visible in the final carpet.

- ID-No. 6929570
- ID-No. 6929574

## Extended running smoothness

The resistance thermometer has a defined weight. This ensures the running smoothness also at high process speeds. It goes without saying that the measurement results are still precise in spite of the high speeds.

## Professionals choose original parts

The best is just good enough if Oerlikon Neumag is talking in terms of manufacturing methods and materials. The resistance thermometers are sealed in the pipe and they optimally protect even at 90% air humidity and aggressive gases of spin finish solutions.

