



The **Surface Voltmeter** in combination with a sensor, which allows measurements on a small spot of ca. 1mm diameter, is suitable especially for the measurement of the electrostatic charge on yarns and filaments. The measurements can be performed directly on the yarn, additional shieldings are not necessary.

Using this device it is possible to examine the electrostatic properties of yarns as well as the influence of spin finish fluids to the electrostatic properties.

By the high reproducibility and the stability for a long time the voltmeter is suitable not only for R&D, but also for watching production processes.

Non-contact measurement of electrostatic charge.

- measurement of the electrostatic charge of filaments
- examination of electrostatic properties of filaments and preparations
- measurement range up to ± 3 kV
- analog output for data acquisition
- digital lines for remote control
- complete integration into the μ -meter

Developed and manufactured by Honigmann, Wuppertal / Germany

Scope:

Automatic and non-contact measurement of electrostatic charge on the yarn surface.

Method:

An electrostatic electrode monitors the passing yarn through a small hole of the instrument. By means of a signal amplifier and a phase sensitive detector, the unknown electrostatic charge on the yarn is calculated.

Results:

The values of the detected electrostatic charge are displayed directly on the instrument, or, if used in combination with a HCC PC-system, displayed both numerically and graphically.

System components:

- measuring amplifier SVM
- charge sensor CS 217E (± 3 kV)
- holding and adjusting device for the charge sensor, to be mounted on the front panel of the μ -Meter
- built-in set consisting of: connecting electronics and interface to the HCC-System and the respective connection wire

Special features:

- non-contacting measurements
- LC-Display
- high frequency resolution
- value output as analog signal ± 3 kV
- simple handling

Power supply:

100 to 240 V ~ 50/60 Hz
15 W

Dimensions:

Length: 381 mm
Width: 216 mm
Height: 102 mm
Weight: 3.26 kg

Technical data and pictures are subject to change!

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