

HAUG Ionization - for measuring electrostatic charges



Field intensity meter Statometer III

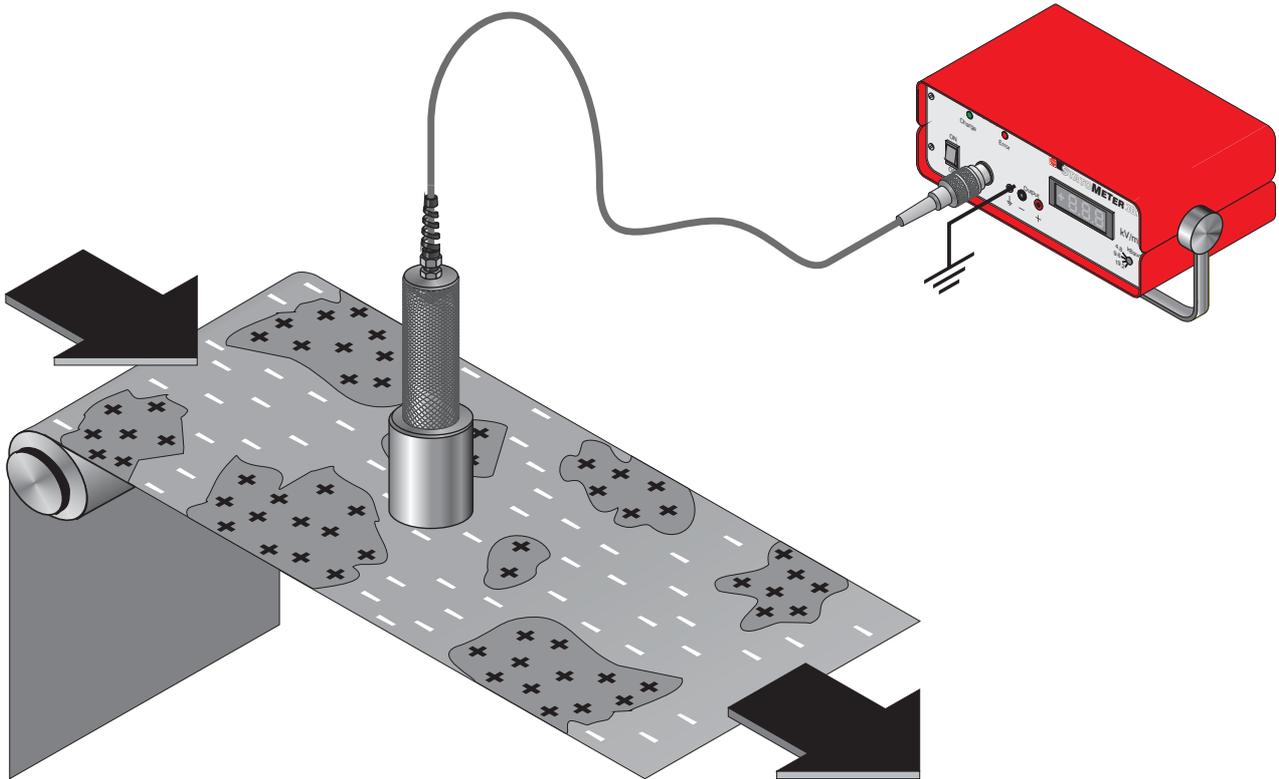
The HAUG field intensity meter **Statometer III** is a consistent further development of the previous field intensity meter Statometer II. It is intended for the measurement of electrostatic and slow alternating fields.

With its new, patented measuring process, electric fields from approx. 0.2 kV/m and low-frequency alternating fields up to approx. 20 Hz can be measured. Due to the use of high-grade, wear-free components, the **Statometer III** can also be used in continuous operation.



Statometer III

iii. 1



Special properties and benefits

Due to the geometry of the measuring head, very low field intensities can be measured. The calibrated measuring distance of the measuring head to the measured surface is 30 mm. The measuring head is connected to the display unit via a coiled cable. The **Statometer III** has three measuring ranges which are switched over automatically during measurement. No manual switchover is therefore required.

The field intensity meter can be operated both from the mains and with commercially available NiMH rechargeable batteries. An integrated automatic switch-off function protects the batteries from exhaustive discharge.

Properties of the evaluation software

Using the supplied optical connection cable, the **Statometer III** can be connected to a PC's serial port in a floating connection. The supplied software allows the large display of the current measuring value or the performance of short-term and long-term measurements over several days.

The measured values can be displayed graphically and exported, e.g. for further processing in measuring and analytical programs. Variable zooms are possible.

The measured data can be saved to hard disk and archived.

Applications

The HAUG **Statometer III** can be used for the measurement of electric fields or electrostatic charges both in the laboratory and in production machinery.

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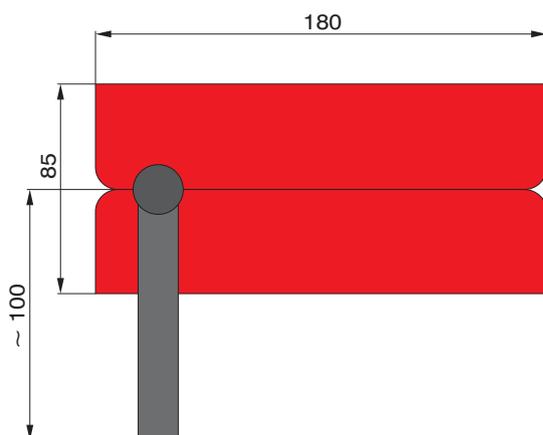
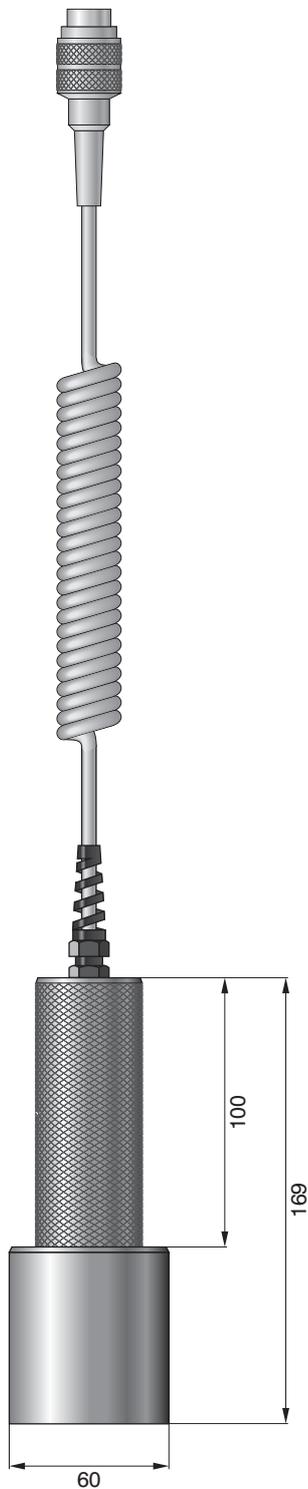
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Technical data Statometer III

Type:	Statometer III	Order-No.: 12.7216.000
Protection type:	IP 20	
Supply voltage:	230 V _{AC} (50 – 60 Hz)	
Battery operation:	5 x NiMH rechargeable batteries, type AA (round cell)	
Measuring range:	0 – 20 kV/m 0 – 200 kV/m 0 – 2000 kV/m	
Resolution:	0,2 kV/m	
Measuring distance:	30 mm	
Output voltage:	± 10 V	
Accuracy:	± 10 %	
Cut-off frequency for alternating fields:	20 Hz	
Display:	3 ½-digit liquid-cristal display	
Recorder output:	-10 V to +10 V, analog	
Transfer rate:	4800 / 9600 / 19200 Baud	
Operating temperature:	+5 °C to +40 °C	
Storage/transport temperature:	-15 °C to +60 °C	
Dimensions Statometer III:	85 x 245 x 180 mm (H/W/D)	
Dimensions measuring head:	169 x Ø 60 mm	
Weight:	2,4 kg	
Housing:	Metal	

Subject to technical changes!

Accessories (included in delivery)

Included in delivery: Measuring case, display unit, measuring head, magnetic holder, batteries, mains cable and optical serial cable (2 x 35-pin), software on CD

Optional:
USB adapter for serial interface Order-No.: X-7600

