

## Measuring equipment

Equipment for measuring electrostatic charges and electrical conductance on ESA impression rollers.

- **Electrofieldmeter type EFM-022**
- **Insulation measuring fork type MG1**
- **Insulation measuring device type Megger**



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## Electrofieldmeter type EFM-022

Hand-held Electrofieldmeter with digital display measure electrostatic voltage potentials according to the field mill influence principle.

The principle: The charge, caused by electrostatic induction, is converted to an alternating current proportional to the field strength. A selective working amplifier measures the current without loss in relation to the field strength.

All components are installed into an EMV-plastic housing. The influence measuring electrode is star shaped. In front of it and only a small distance away a rotating and grounded modulation propeller of the same design is installed. The influence electrode is enclosed by a ring electrode-system, used for mechanical protection also.

The EFM unit consists of a built-in microprocessor for following functions:

- To calculate the voltage potential (in Volts) out of the measured field strength and the pre-selected distance, automatically
- Operation by a single push-button with 2 line LCD display
- Permanent charge control of the battery with automatic shut off function

Measuring Range:	1 cm	0....8 kV, max. resolution 1V
	2 cm	0...16 kV, max. resolution 2V
	5 cm	0..40 kV, max. resolution 10V
	10 cm	0..80 kV, max. resolution 10V
	20 cm	0..160 kV, max. resolution 20V

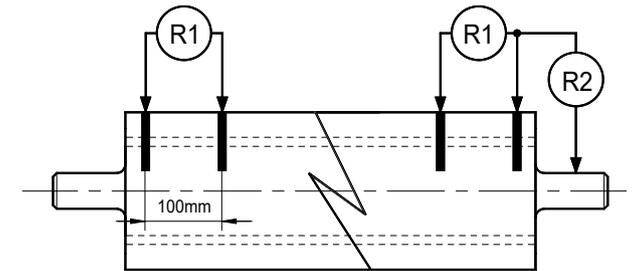
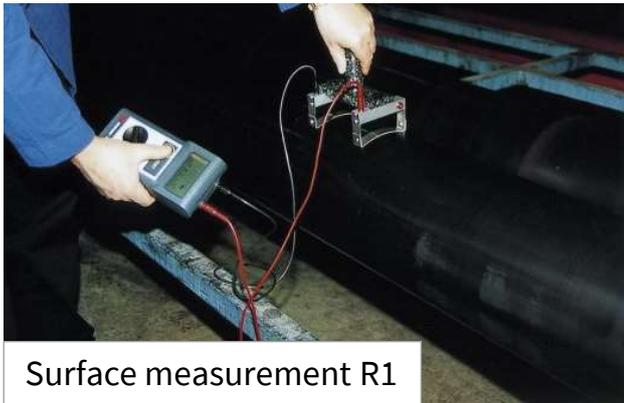
Dimensions / weight: approx. 70 x 122 x 26mm / approx. 130g  
Scope of supply: Electrofieldmeter incl. soft bag, battery, grounding-cable.  
Documentation: Instruction manual, calibration certificate.



## Measuring fork type MG-1

The practical measuring fork for the electronic detection of impression roller resistance of the surface as well as the insulation resistance for electrostatic print assist systems.

The optimal contact is given by water-soaked leather strips.



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