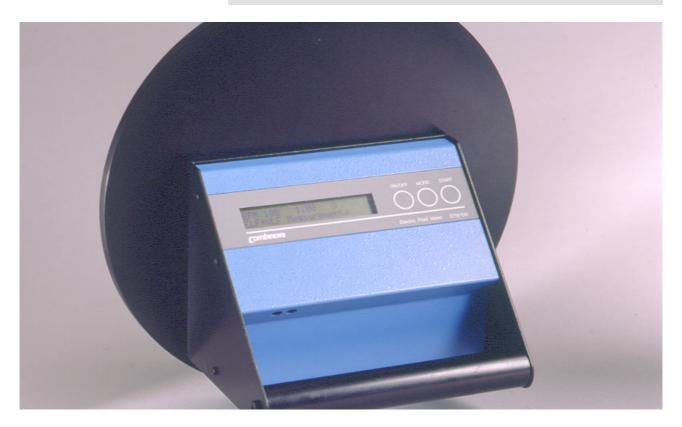**Electric Field Meter 100** is a combined instrument for ELF and VLF alternating electric field measurements

Main instrument features are:

- wide dynamic ranges for ELF and VLF alternating electric fields
- frequency response 5Hz - 400kHz
- true RMS measurements
- built in fiber optic remote mode interface
- PC support software available with the CMS and CLS packages

Electric Field Meter 100 is designed to handle a variety of applications like:

- VDT measurement according to MPR II (1990:8) and other standards
- power line electric fields using a ground reference method
- office and industry electric field levels
- inspection of installations
- Flexible operating modes with single/repetitive measurements

ELECTRIC FIELD METER 100

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TECHNICAL DATA

1. Alternating electric field (ELF)
Measurement range: 0.5 - 10,000 V/m rms
Frequency range: 5-2000 Hz (-3dB)
Accuracy: $\pm$(3% of reading + 0.2 V/m)

2. Alternating electric field (VLF)
Frequency range: 2-400 kHz (-3 dB)
Measurement range: 0.05 - 1000 V/m rms
Accuracy: $\pm$(3% of reading + 0.03 V/m)

Display resolution: Better than 0.5% of reading
Display type: LCD display with backlight

Communication: Fiber optic serial communication

Power: Rechargeable battery with a maximum
                            operating capacity exceeding 30 hours

Weight: 3.5 kg

Size: 325 mm x 155 mm x 265 mm (LxWxH)

Operating environment: -10 °C – +50 °C

Ordering information

Order number	Product
21-01	EFM 100 standard version 220 V *
21-02	EFM 100 standard version 110 V *
91-04	Fiber adapter 10 **
91-06	Calprobe EFM ***

* Standard version includes battery charger, distance tool, ground reference cable, 10 meter fiber cable, operator's manual and transportation case.

** The instrument is intended to be used with the CMS package. For other remote applications, the Fiberadapter 10 is available.

*** Calprobe and spacers for calibration check

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Specifications subject to change without notice