



Pocket PF Meter

Introduction

The EMFields Pocket PF Meter (PF5) enables you to measure easily the electric and magnetic fields in your environment from our use of electric power. Readings are shown on LED indicator lights.

It measures electric and magnetic fields caused by wiring, electrical appliances and lighting used in the home and workplace, substations, powerlines, transformers, etc. It has an extended high frequency response so that it measures fields from induction hobs, CFL lamps and solar panel inverters.

The instrument is water-resistant but not fully water-proof and should not be allowed to get wet.

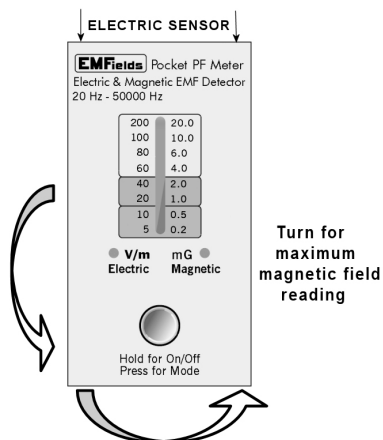
Operation

Press the button to turn it on. The LED display should flash briefly. The green magnetic field LED should remain lit. If a red LED appears on the 'electric' side it indicates that the battery needs replacing (9 volts / PP3). An alkaline cell gives c. 30 hours use.

It is now measuring magnetic fields. You should slowly rotate it through both axes indicated and find the maximum reading.

Press the button again to measure electric fields. The electric fields sensor is inside the top of the case.

Press and hold the button to turn it off. It turns off automatically after a few minutes to save battery life.



When two LEDs next to each other are both lit, this indicates an extra scale point half-way between the printed ones.

Specification (electric & magnetic)

50 Hz – 2000 Hz $\pm 10\%$

20 Hz – 50000 Hz $\pm 3\text{dB}$

Power required: 9 volts @ 16 mA

(alkaline battery PP3 / MN1604)

Limiting your exposure

Background levels of electric and magnetic fields will vary according to the type of home you live in.

The readings should be as low as possible throughout your home, lowest in sleeping areas, and where you spend most of the rest of your time.

This applies even more strongly to people who are environmentally sensitive.

Much more information is available on the EMFields website including a downloadable, more detailed, user guide on the Pocket PF Meter (PF5) page on our website.

www.emfields-solutions.com

European Approvals

EN61000-6-3:2001+A11:2004
EN61000-6-1:2001 and also meets
ROHS 2 2011 (2002/95/EC) and
WEEE (2012/19/EU)(2002/96/EC)



Warranty

A new Pocket PF Meter has a two year manufacturer's warranty. This does not cover general wear & tear or physical (including water) damage.

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