

Smart Fieldmeter® Digital, Model: RFP-05



Smart Fieldmeter® Digital:

Electromagnetic field monitor having **flexible and expandable architecture, state of the art design with convenience and simplicity** for users on a budget.

Smart Fieldmeter® Digital (SFD) Features:

- SFD can operate with **multiple probes**, both current and future models. Calibration factors for multiple probes are stored internally and can be updated from SD card by the user.
- Extremely large SFD dynamic range with **auto-ranging** function offers high accuracy and simple operation without any additional switching.
- Advanced programmable data sampling with **time averaging and spatial averaging** allows monitoring and recording of time variable signals to comply with various RF safety and regulatory standards.
- **Internal data logging** with **removable memory card** provides programmable and practically unlimited data storage. No PC is needed for data recording - log the data and read it later.
- Unique **auto-zero** function can be operated either automatically or manually even in the presence of the strongest RF fields, thus ensuring the high sensitivity and long term stability.
- **Serial bidirectional data port** with (or without) IR and fiber optic converters can be used for PC data transfer and instrument control in test system integration (Optional).
- **IR remote control** allows SFD control and operation from a distance - no hands, no wires (Optional).
- **Sound alarm** with variable threshold warns if the preset level is exceeded.
- **Portable lightweight design** with detachable isotropic probe and standard battery (**two AA primary or rechargeable cells**) offers flexibility and advantages in the field.
- SFD can display the data both in **field strength and power density units**.
- Bright **color OLED display** can be set to display only the information important to the user. Maximized display mode ensures **good visibility from a distance**.
- **User friendly interface** puts all frequently done functions at the upper screens making them easy to find and to use.

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System Parameters of SFD Meter RFP-05 with probes:

- Probe PI-01:** 0.2 MHz - 3 GHz.
0.2 - 600 V/m.
- Probe PI-01E:** 0.1 MHz - 6 GHz.
0.3 - 600 V/m.
- Probe PI-02:** 2 MHz - 12.5 GHz.
0.5 - 800 V/m.
- Probe PI-03:** 3 MHz - 18 GHz.
0.8 - 800 V/m.
- Probe PI-01V:** 800 -1900 MHz.
0.4 - 500 V/m.
- Probe PI-H1:** 0.5 MHz - 50 MHz.
0.05 - 20 A/m.

- Calibration Accuracy: +/-0.5 dB
- Linearity deviation: +/- 0.5 dB.
- Battery life: >20 hours.
- Warranty 1 year.
- [US NIST](#) (USA National Institute of Standards) / [UK NPL](#) (UK National Physical Laboratory) traceable certificate is supplied with every unit.

