

## Quick Reference Manual RF-05M

*This short manual assumes that you have Smart Fieldmeter® Digital (SFD) in view while reading. For more detailed descriptions of the SFD capabilities and features - refer to the sections of Users Manual.*

- SFD always starts from the last screen mode when powered up. Screen goes blank automatically and unit goes into standby mode after user controllable On Time. Press the <MENU> key to wake it up.
- Red window LED on the front panel indicates the normal operation - SFD is measuring the RF field. Blue window is for the optional IR remote control.
- <MENU> key always brings to the screen the Main Menu.
- Navigation through the menu is done with arrow keys <↑><↓><←><→>.
- <ENTER> key selects the item, <BACK> key brings the previous screen.
- To see the measurement, select Measure and press the <ENTER>.
- <NORD> and <MAXD> keys bring the normal and large Measure displays.
- The fast way to get to the measurements - press <MENU> and <NORD>.
- <ALARM> key turns alarm on, the threshold is set in Setup Menu.
- <UNIT> selects either field units (V/m) or power units (W/cm<sup>2</sup>) shown as (W/□).
- <AVG> turns on averaging mode, shown in small font near the key. Press <MAXD> with averaging on - display shows averaged value in large font. Use it for more stable data reading.
- <MODE> successive pressing selects the averaging time interval for data time averaging and data logging from 30/300 msec. - to 30min.
- Next point after 30 min is MAN - manual data measurement initiation. The right upper corner key <MAN> then is used for spatial averaging.
- <AUTZ> key performs auto-zeroing of the SFD. It also happens automatically through set time interval (is set in Setup Menu) and every time the power is turned on.
- Main Menu --> View Mode allows selection of the parameters visible on the Measure display.
- Main menu-->Setup allows setting of the SFD parameters:
- Probe menu selects the probe type (serial number) and Fast/Slow SFD reaction time constant.
- Dsp/Key menu allows selection of the auto On Time, MAXD time, AUZ time interval, Brightness of the display, Right/Left key location, Keyclick ON/OFF and switches between stand alone (Sleep) and PC communication (PC) modes.
- Battery menu shows the battery voltage and battery "equivalent running time" that is good indicator of the battery capacity. In standby mode battery lasts much longer. Display can be turned OFF at any time by <DOFF> key in Main Menu. <Menu> button brings it back.
- Log Control in Main Menu allows turning <LOG> ON/OFF, selecting of the file name for data logging (by default every logging advances the file name counter preventing accidental file erasing). <MODE> key, the logging interval, averaging and units of measurements must be set prior to setting the <LOG> to ON. In <MAN> mode every data point is stored when <MAN> key is pressed. Holding the <MAN> button freezes the