

## Acquiring Data from the RM3-AR Test Unit and the HM21 Hand Held Meter

The RM3-AR Test Unit and the HM21 Hand Held Meter provide for viewing and saving the test data as follows:

- 1) The units display sheet resistance on the front panel which can be recorded manually
- 2) Data can be saved by pressing the "save" button on the front panel (with or without a PC connected), in which case the data is stored internal to the on-board NVM memory. Data from up to 50 measurements can be stored.
- 3) Data can be saved directly to a PC file by using the software while the unit is connected to a PC, in which case you click on the "save" button on the graphically reproduced image of the unit's front panel which will be on the PC screen.

Following are example of CSV files produced by the software which is included with each of the test units, the RM3-AR and the HM21. CSV files can be opened using a spreadsheet program such as MS Excel.

### Data Saved as volume resistivity (ohms-cm):

Entry	Current Range	Reading		Bulk Resis
1	1 uA	58.118	mV	13697.53
2	1 uA	-59.361	mV	-13990.5
3	1 uA	52.669	mV	12413.28
4	1 uA	-52.514	mV	-12376.8
5	1 uA	53.037	mV	12500.01
6	1 uA	-52.904	mV	-12468.7
7	1 uA	54.196	mV	12773.17
8	1 uA	-53.65	mV	-12644.5
9	1 uA	53.803	mV	12680.55
10	1 uA	-53.695	mV	-12655.1

### Data Saved as sheet resistance (ohms-per-square):

	A	B	C	D	E	F	G
1	Entry	Current Range		Reading		Sheet Resistance	
2	1	5 mA		68.05	mV	61.68596	
3	2	5 mA		-67.469	mV	-61.1593	
4	3	5 mA		69.773	mV	63.24783	
5	4	5 mA		-70.576	mV	-63.9757	
6	5	5 mA		69.386	mV	62.89702	
7	6	5 mA		-69.917	mV	-63.3784	
8	7	5 mA		69.68	mV	63.16353	
9	8	5 mA		-70.446	mV	-63.8579	
10	9	5 mA		69.731	mV	63.20976	
11	10	5 mA		-70.016	mV	-63.4681	