

MODEL 6417 CLAMP-ON GROUND TESTER APP FOR ANDROID™

How to Add GPS and Photos to Recordings and Email Reports

Scenario: User is taking measurements with the 6417 and its App for Android.

1. User wants to attach GPS location data and a site photograph to their recordings inside the app.
2. User then wants to email this information.



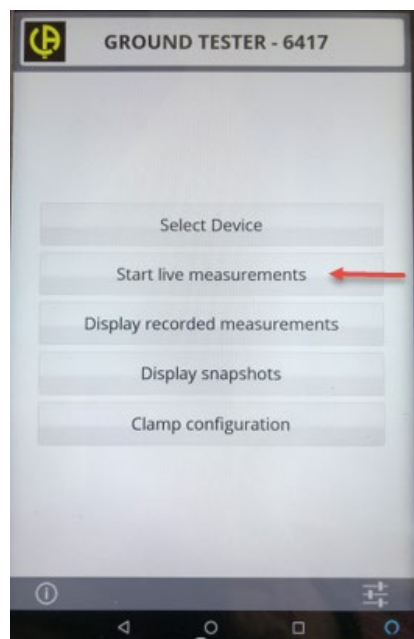
NOTE: The Android App can export measurements from the 6417 in three formats; .TXT, .XLS and .ICP.

GPS locations are only included natively in 2 of the 3 export formats; .TXT and .XLS.

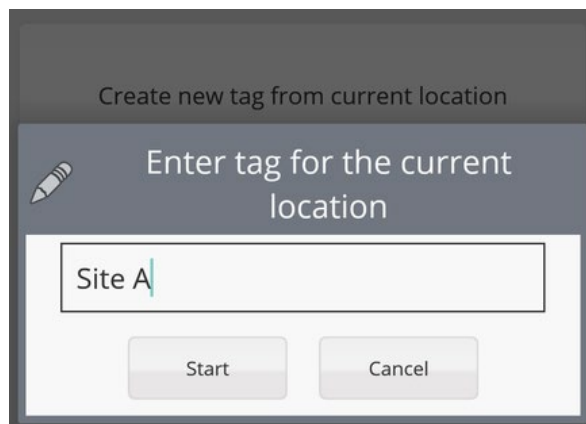
Photos need to be exported external to the App. A photo will only stay associated to its' measurement inside the App.

Follow the steps below to achieve the results described in the scenario above after Bluetooth is activated and the 6417 and your Android device are paired and an internet connection is active, location services is turned on allowing GPS coordinates to be captured.

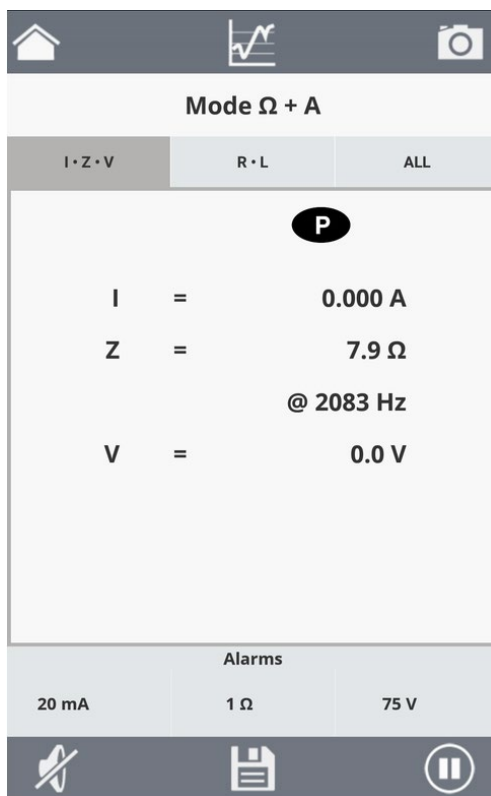
1. Once communicating with the 6417, select **Start live measurements** from the home screen.



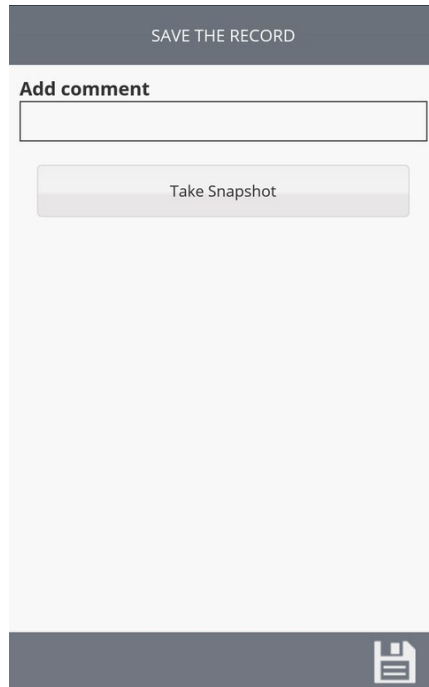
2. A **SELECT LOCATION** screen now appears.
3. Select **Create new tag from current location**. A pop-up window will ask you to name the current location. For this example, we will name it **Site A**. The **Site A** tag is now added to existing tags in the App for future use.



4. Once the tag is named and **Start** is selected, live data begins to be presented to the App.



Once the measurement is ready to be saved, **press and hold** the **Save** icon  to open up the **SAVE THE RECORD** screen.
A Quick press saves without comments.
A Long press (press and hold) saves and allows entry of comments.



5. On the **SAVE THE RECORD** screen, you have the option to add a comment to the result and to take a snapshot using the device's camera. The photo and comment will be attached to the test record.
6. Press **Take Snapshot** to take a photo to be associated with this test record.



If you are not satisfied with the first photo, press the **undo** icon  and take another picture. If satisfied, press the **blue check mark**  icon.



NOTE: Some versions do not show icons, and will only show **Save** and **Discard** text. Only one photo per recording is allowed.

7. You will then be taken back to the **SAVE THE RECORD** screen. Press the **Save**

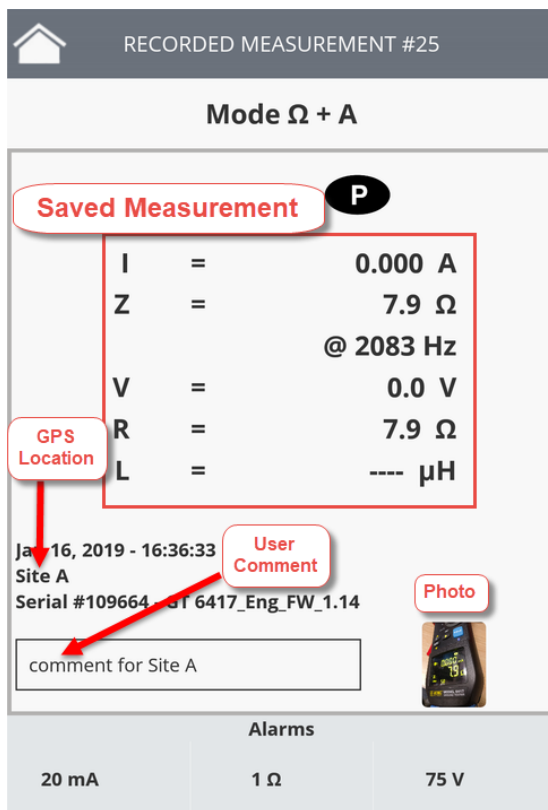
icon  to save all of the information into the test record.

8. The saved test record now has a location named **Site A** with a GPS location and photograph assigned to it.

9. Press the **HOME** icon  to go back to the home screen.

10. Next press **Display recorded measurements** to view the saved data.

11. Press on a saved recording from the list to see the measurement result:



RECORDED MEASUREMENT #25

Mode $\Omega + A$

Saved Measurement **P**

I	=	0.000 A
Z	=	7.9 Ω
		@ 2083 Hz
V	=	0.0 V
R	=	7.9 Ω
L	=	--- μH

GPS Location

Jan 16, 2019 - 16:36:33

User Comment

Site A

Serial #109664 - ST 6417_Eng_FW_1.14

Photo

comment for Site A

Alarms

20 mA	1 Ω	75 V
-------	------------	------

Sample Measurement

12. You can send these recordings to your email, in 3 formats, Text (.TXT),

Excel (.XLS), or DataView (.ICP). To do this, press the **HOME** icon  to go back to the home screen.

13. Then press **Display recorded measurements** again to get to the list of saved recordings:



Jan 16, 2019		
#25 16:36	Z=7.9 Ω • R=7.9 Ω • L=---- μH • I=0....	>
#24 16:10	Z=7.9 Ω • R=7.9 Ω • L=---- μH • I=0....	>
Jan 15, 2019		
#23 17:31	Z=7.9 Ω • R=7.9 Ω • L=---- μH • I=0....	>
#22 14:54	I=0.000 A	>
#21 14:47	Z=7.9 Ω • R=7.9 Ω • L=---- μH • I=0....	>
#20 14:14	I=0.000 A	>
#19 14:05	I=0.000 A	>
#18 14:05	I=0.000 A	>
Jan 11, 2019		
#17 15:00	I=0.000 A	>
#16 14:59	I=0.000 A	>
Total number of recordings: 14		

14. Press the **Report** icon  to be taken to the **GENERATE REPORT** screen:



GENERATE REPORT

Type of the generated file XLS >

E-mail address gb@aemc.com

Report preview area

Settings icon

15. You can select the **Type of generated file** (.TXT, .XLS, or .ICP) for your report.



**NOTE: GPS information is only attached to the .TXT and .XLS formats.
Photos do not get attached to any of the 3 emailed formats.**

16. You must input the email address of the recipient that the report will be sent to.

17. There is also a blank message area to input any text-based message you want in the body of the email sent to the recipient.

18. Once completed, press the **Send email** icon  to send the report.

19. You will be asked to select an email program to use to send the report e.g. Outlook, Gmail etc. Once you make this selection you may have an opportunity to attach a photo from those saved on your device to be included along with the report depending on your email application.

20. Here is a small sample of the .TXT formatted report for a **Site A** recorded measurement and GPS location data:

```
AEMC 6417;Serial #;109664;Firm.Rev;01.14;  
GT 6417_GT 6417_;
```

```
Location;Latitude;Longitude;  
Site A;43.18127;-70.91353;  
desk;43.181255;-70.913536;  
guys. desk;43.181236;-70.91353;  
off;43.18128;-70.91354;
```

```
Serial #;Bluetooth name;Location;Date;Time;Mode;Z;R;L;U;I;STD/ADV;F;Alarm Z threshold;Alarm U  
threshold;Alarm I threshold;Alarm loop threshold;Near low batt;Noise;Dangerous V;Comment;Photo Name;  
;;;;;Ohm;Ohm;uH;V;A;;Hz;Ohm;V;mA;Ohm;  
109664;GT 6417_Eng_FW_1.14;Site A;2019/01/16;16:36;Ohm +  
A;7.9;7.9;----;0.0;0.000;ADV;2083;1;75;20;1;0;0;comment for Site A;GT 6417_Eng_FW_1.14-2019-01-16-16-  
36-32;
```

21. Here is a small sample of the .XLS formatted report for a **Site A** recorded measurement:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1	AEMC 6417	Serial #	109664	Firm.Rev	01.14																	
2	GT 6417	GT 6417																				
3																						
4	Location	Latitude	Longitude																			
5	Site A	43.18127	-70.91353																			
6	desk	43.181255	-70.913536																			
7	guys. desk	43.181236	-70.91353																			
8	off	43.18128	-70.91354																			
9																						
10	Serial #	Bluetooth name	Location	Date	Time	Mode	Z	R	L	U	I	STD/ADV	F	Alarm Z th	Alarm U th	Alarm I thr	Alarm loop	Near low batt	Noise	Dangerous	Comment	Photo Name
11							Ω	Ω	μH	V	A		Hz	Ω	V	mA	Ω					
12	109664	GT 6417_Eng_F	Site A	2019/01/16	16:36	Ω + A	7.9	7.9	---	0.0	0.000	ADV	2083	1	75	20	1	0	0	0	comment fo	GT 6417_Eng
13	109664	GT 6417_Eng_F	Site A	2019/01/16	16:10	Ω + A	7.9	7.9	---	0.0	0.000	ADV	2083	1	75	20	1	0	0	0		

22. The .ICP format opens up in the GTC (Ground Tester Clamp) Control Panel of DataView® as a standard ground resistance measurement, devoid of GPS location and pictures.
23. If you were not able to attach a photo to email as described in Step 19, you must navigate to the photos on the device itself, select them individually and attach them to an email.

If you have any questions, contact AEMC® Technical Support at 1-800-343-1391 x351 or email techsupport@aemc.com.

Please visit and subscribe to our YouTube™ channel for informative videos on our products and software.

www.youtube.com/user/AEMCinstruments



Android is a trademark of Google LLC.