

HOW TO SET A RECORD ON DAS30 / DAS50

On the handheld recorder DAS30/50, you have the possibility to record a signal. This function is used if you want to save a screenshot of a measurement that you just did: voltage, current, temperature measurement...

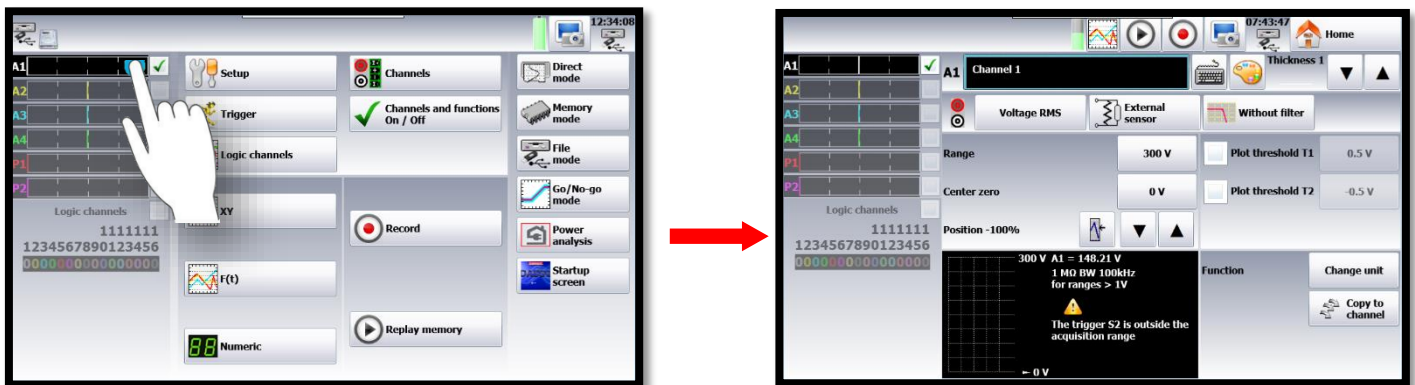
We are going to see how to set a record with two triggers (one to launch the record, the other to stop). To do so, we will manage a RMS voltage on the first channel, this voltage will vary between 0 and 230V. We will record this acquisition channel when the voltage will be between 50 and 200V.

I: Requisites

We have to manage the channel that we want to record. For channel 1 configuration, see the note [NA_ENR_CONF_VOIE_ENG](#).

II: Setting a record with two triggers

1- Go to the channel 1 setting by pressing the channel to be set:

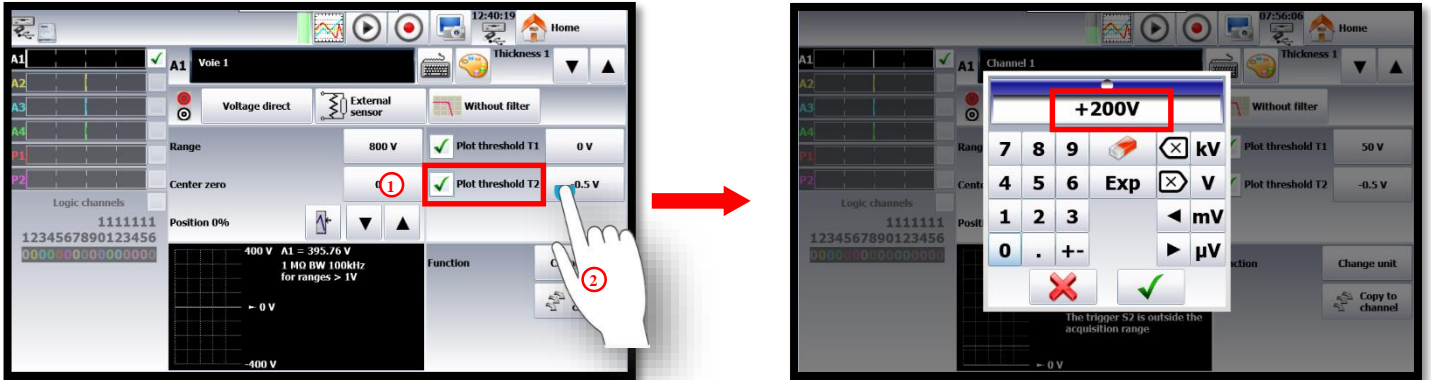


2- Set the first channel:



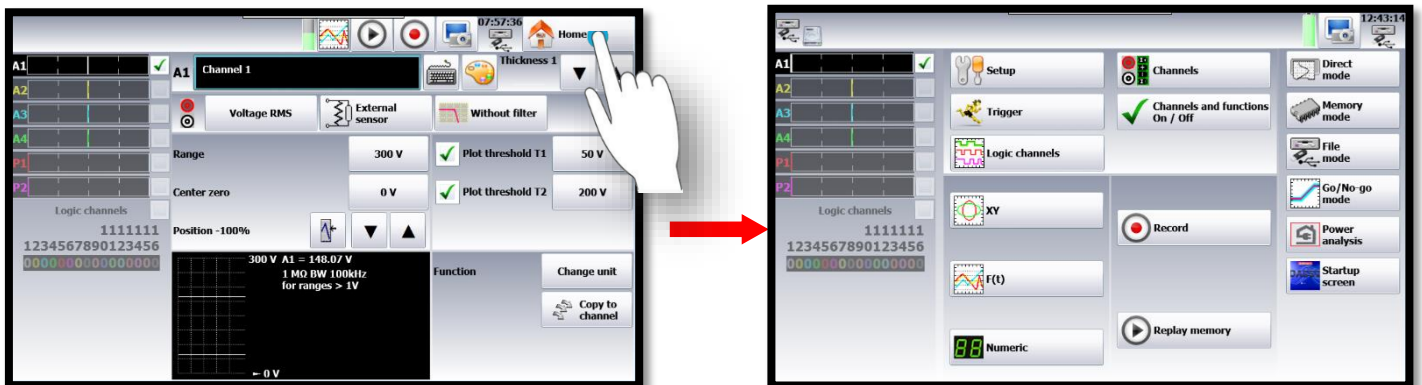
1. Select the first threshold: choose « Plot threshold T1 »
2. Enter the threshold's value, here we want to set the record threshold up to 50V

3- Manage the second threshold:

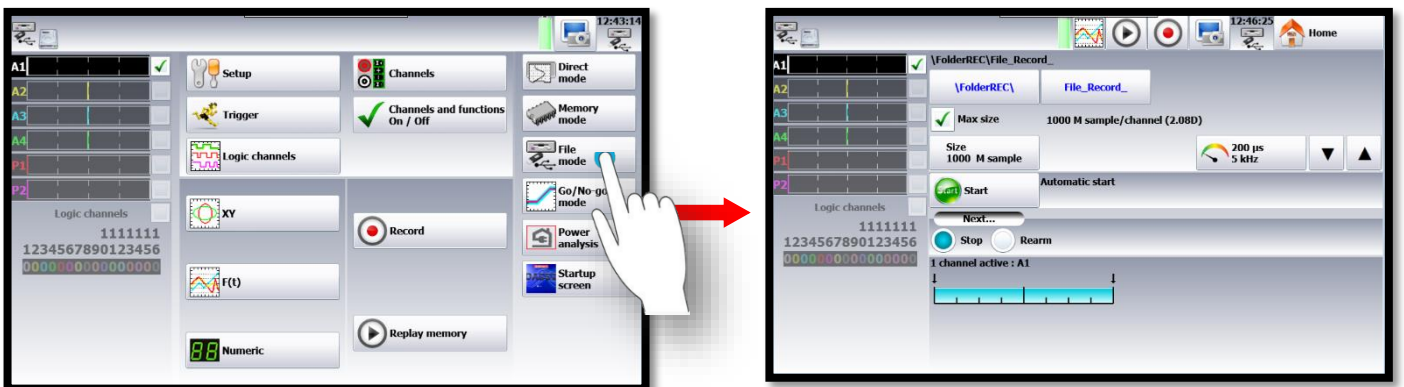


1. Select the second threshold: Choose « Plot threshold T2 »
2. Enter the threshold value , here we want to record until 200V

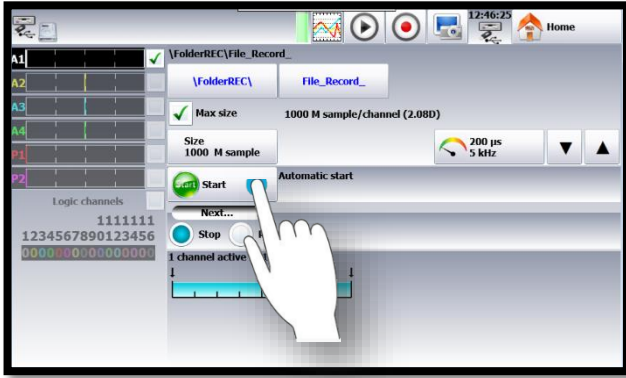
4- Press “Home” :



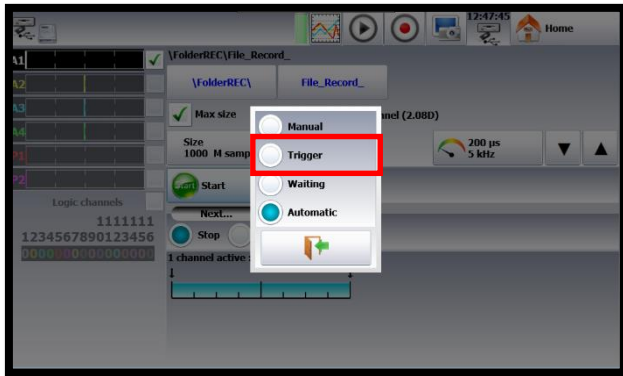
- 5- Select the mode, for our example we will use « File mode » because our acquisition speed will be up to 20µs, you can also use the “Memory mode”:



6- Select « Start » :



7- Select « Trigger » :

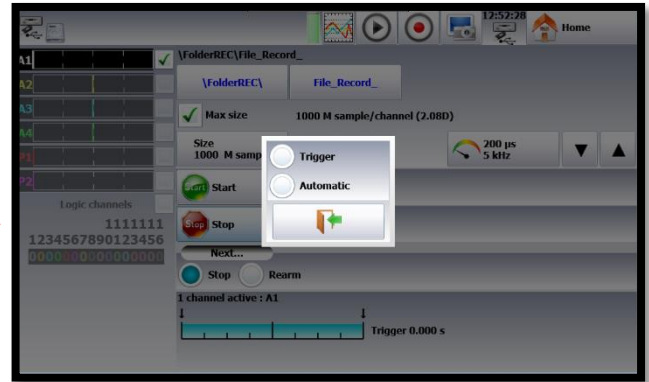
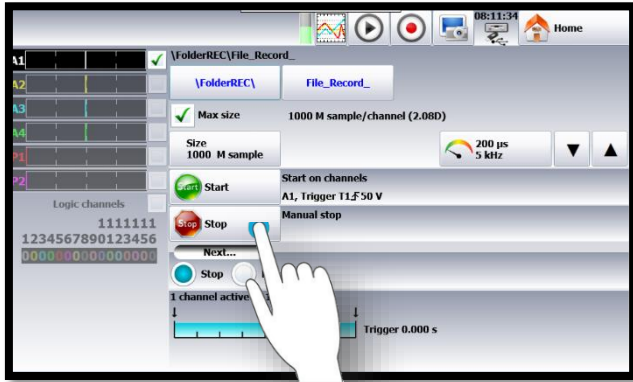


8- Manage your threshold trigger to launch the record:

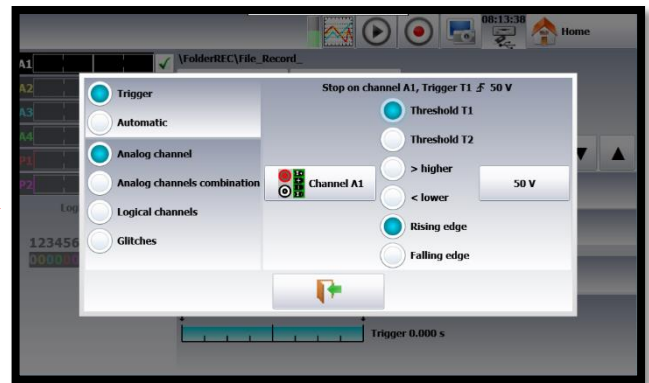
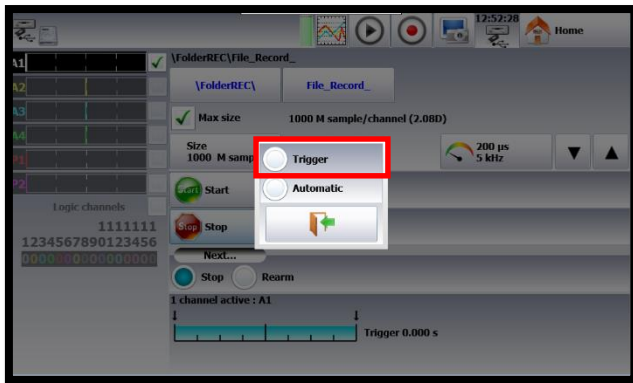


1. Select the type of channel to define, here take “Analog channel”
2. Choose the threshold that you want as start threshold, in our example we will use the threshold 1
3. Choose when the record will start, here we want the start of the record when the voltage becomes negative, so we will choose “Rising edge”

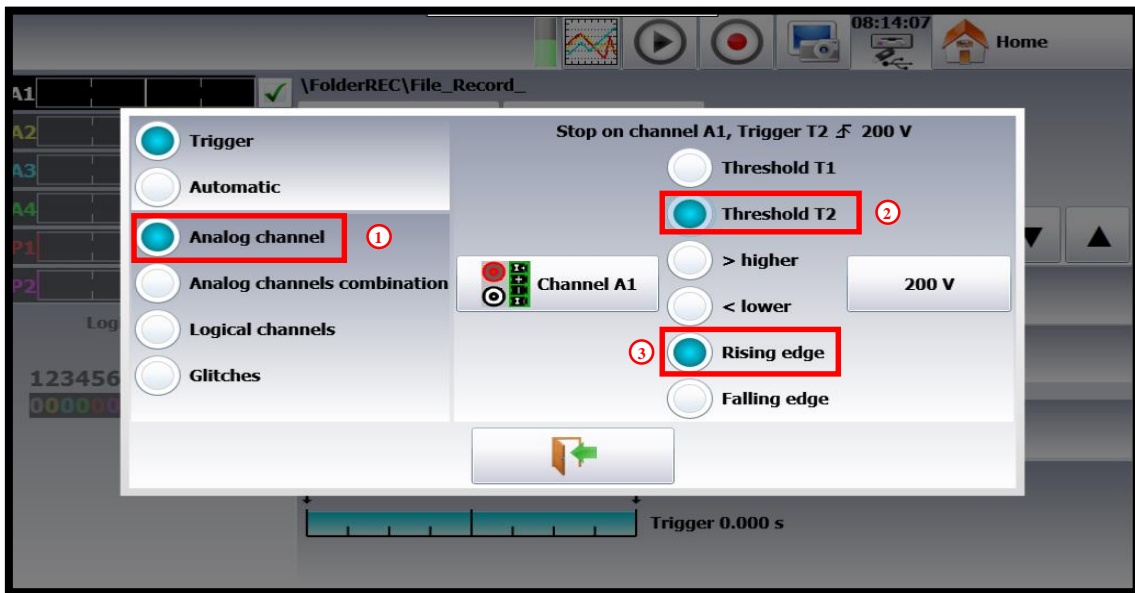
9- Select « Stop » by pressing the “Stop” button:



10- Select « Trigger »:

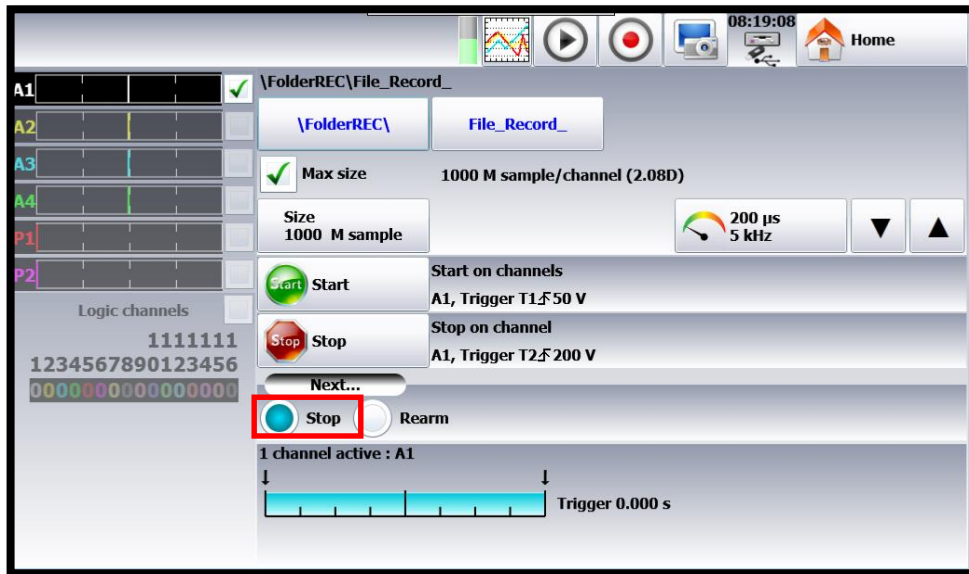


11- Manage the stop condition of the record:



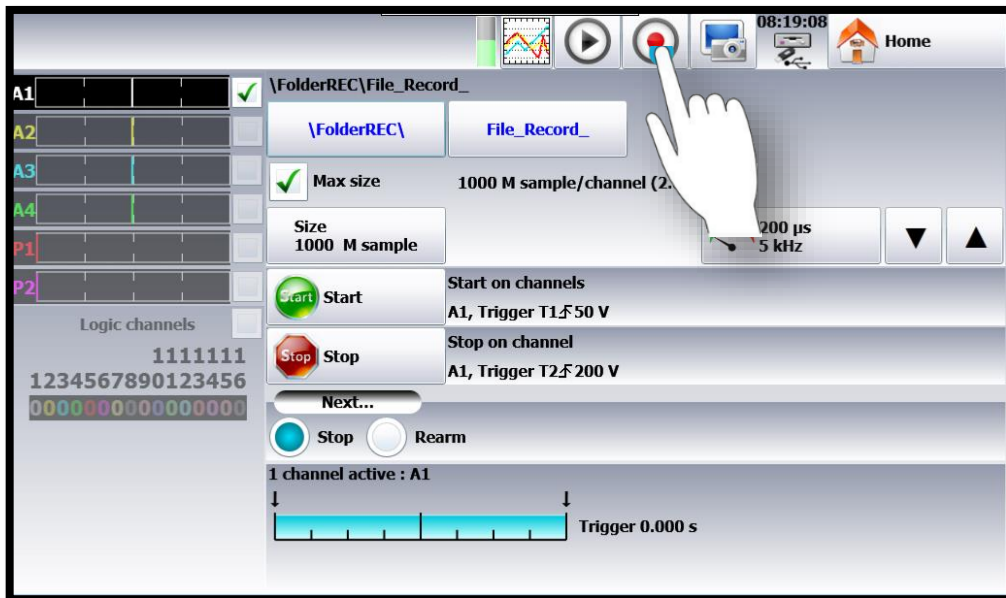
1. Select the type of channel to define, here we will take “Analog channel”
2. Choose the threshold that you want as end threshold, in our example we will use the threshold 2
3. Choose when the record will end, here we want the end of the record when the voltage become superior to 200V, so we will choose “Rising edge”

12- Manage « Next », here we want to do a single acquisition : Choose « Stop » :



Rearm: This option enable to do records.

13- Press the button to start recording:



14- The record is done, only the part between 50 and 200V is recorded :

