

# 2100 SERIES SCREEN CHANGES

6058C6-2100A Software Screen Changes

April 1998

After you have installed your new 2100 series Trase firmware you will notice that changes have been made to the screens that no longer match with your operating instructions. In order to facilitate the transition to your new software, we show here what the screens look like in your manual and what they will look like now with your new firmware load.

**NOTE:** Confirm the version compatibility of your Trase firmware and WinTrase software. Trase series 2100 can only be used with WinTrase version 2.01 and higher. Trase version 1600W and 2000 series are used with WinTrase version 1.11. Please contact Soilmoisture or your local SEC dealer for information about Trase or WinTrase upgrades.

## Screens in the “Normal” mode: Measure Screen, Data Screen and Graph Screen

### Previous Measure Screen

```
MEASURE SCREEN
Moisture: 36.1%
Ka: 22.2
Waveguide length: 800 mm
Waveguide type: Buriable <->
Moisture table: BUN <-> Bur unco
MUX channel: 0 MUX not connected
-----
-Storage-----
Next reading No: 7 Tag:
Storage: 1 <->
Storage remaining: 5154 readings, or,
                  165 graphs

16-JAN-95 1:13:43
```

### New Measure Screen

```
MEASURE SCREEN
Moisture: 0.0%
Ka: 0.0
Waveguide length: 20.0 cm
Waveguide type: Buriable <->
Moisture table: BUN <-> Bur unco
Capture window: 10 ns <->
MUX channel: 0 MUX not connected
-----
-Storage-----
Next reading No: 1 Tag:
Storage area: 1 <->
Remaining reading: 5730 graph: 184
                  02-DEC-97 18:40:21
```

In order to facilitate an easier way to set up your Trase system to use the Slammer or longer waveguides, the Capture Window selection option has been moved to the Measure Screen (Now under Moisture Table). A + or a - may follow the Mux Channel number, indicating the sign of the optional Auxiliary Mux Offset for nonzero values. The following have had name changes only; no changes have been made to their function: “Storage” has been renamed “Storage area” and “Storage remaining” is now called “Remaining.”

## Previous Data Screen

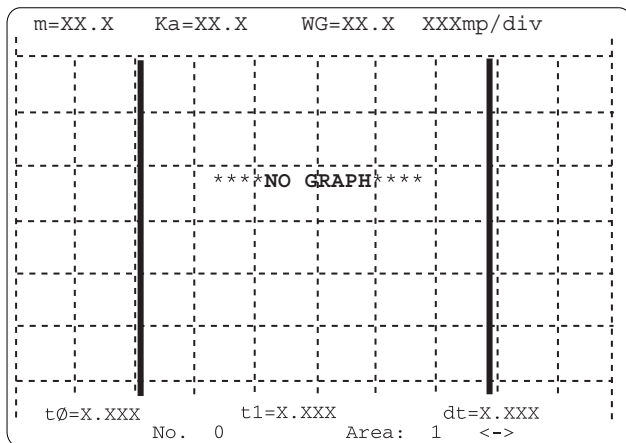
No.	Tag	%M	Ch	G	Date	WG cm
Zero	Error	Ka	Tab	P	Time	Type
1		0.0	0	0	1-JAN-95	450.0
13.6		1.0	STD	10	0:01:22	CON
2		0.0	0	0	1-JAN-95	450.0
13.6		1.3	STD	10	0:01:22	CON
3		21.3	0	0	1-JAN-95	450.0
13.6		10.7	STD	10	2:19:25	CON
4		21.4	0	0	1-JAN-95	450.0
13.6		10.8	STD	10	2:49:05	CON
Storage: 1 <->						
Search: No <->						
Look for: 0						
16-JAN-95 1:08:31						

## New Data Screen

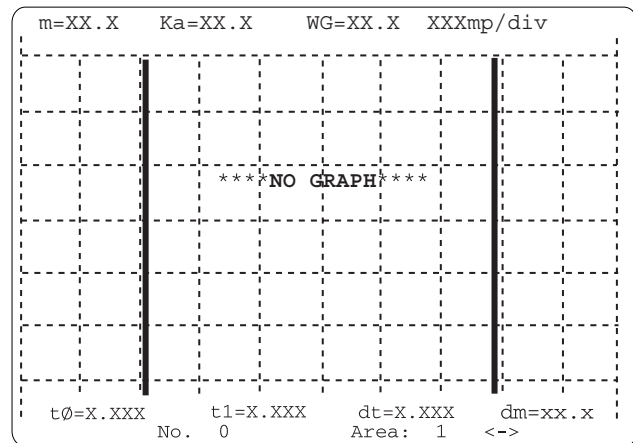
No.	Tag	%M	Ch	G	Date	WG cm
Zero	Error	Ka	Tab	P	Time	Type
1		0.0	0	0	1-JAN-97	20.0
13.6		1.0	BUN	1	0:01:22	BUR
2		0.0	0	0	1-JAN-97	20.0
13.6		1.3	BUN	1	0:01:22	BUR
3		21.3	0	0	1-JAN-97	20.0
13.6		10.7	BUN	1	2:19:25	BUR
4		21.4	0	0	1-JAN-97	20.0
13.6		10.8	BUN	1	2:49:05	BUR
Storage: 1 <->						
Search: No <->						
Look for: 0						
16-JAN-97 1:08:31						

In the Data Screen the heading “Error” (column two, row two at the top of the Screen) has been renamed “Message” and a new Help Screen has been added to decode these 8 characters. The P values (column five, row two) are now abbreviated: i.e., 1=10 nS, 2=20 nS, 4=40 nS, and N=no graph.

## Previous Graph Screen



## New Graph Screen



One addition has been made to the Graph Screen. If you look at the bottom right hand corner of the Graph Screen you will see dm=0.0. dm equals the Delta Moisture and is calculated for the displayed graph based on the Time Bar settings.

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# SCREENS AVAILABLE IN THE “SHIFT” MODE

## Previous Autolog Screen

```
AUTOLOG SCREEN

Starting date:          (dd-MMM-yy)
Starting time:         (hh:mm:ss)
Cycle interval:        (hh:mm)
Number of cycles: 0    Trap: 0.0%
Save: Readings <->
Sequence switch: No <-> Time: 1.0 secs
Readings will begin on XX-XXX-XXX XX:XX:XX
An autolog cycle will occur every XX:XX:XX

NOTE: before autolog begins you must:
+ Set the zero.      + Select the storage.
+ Set WG length.    + Check date & time.
                23-JAN-95 21:51:01
```

## New Autolog Screen

```
AUTOLOG SCREEN

Starting date:          (dd-MMM-yy)
Starting time:         (hh:mm:ss)
Cycle interval:        (dd:hh:mm)
Number of cycles: 0    Trap: 0.0%
Save: Readings <->
Sequence switch: No <-> Time: 1.0 secs
Readings will begin on XX-XXX-XXX XX:XX:XX
An autolog cycle will occur every XX:XX:XX

NOTE: before autolog begins you must:
+ Set the zero.      + Select the storage.
+ Set WG length.    + Check date & time.
                23-JAN-97 21:51:01
```

Only one change was made in the new Autolog Screen. The “Cycle interval” is now change to (dd:hh:mm).

## Previous TDR Screen

```
--TDR SCREEN--

MUX channel: 0    MUX not connected
Start time: XX   nSec
Range time: 10   nSec <->

After setting Start time and range
press MEASURE to digitize. To see
graph go to Graph screen and select
Reading 0. To save graph go to Measure
screen, tag as desired and press
SAVE GRAPH.

                23-JAN-95 21:54:51
```

## New TDR Screen

```
--TDR SCREEN--

MUX channel: 0    MUX not connected
Start time: XX   nSec
Range: 10         nSec <->

After setting Start time and range
press MEASURE to digitize. To see
graph go to Graph screen and select
Reading 0. To save graph go to Measure
screen, tag as desired and press
SAVE GRAPH.

                23-JAN-97 21:54:51
```

The only change in the TDR Screen is that “Range time is renamed “Range”; no changes were made in its function.

## Previous Mux Screen

```
--MULTIPLEXER SCREEN--

Starting channel: 0
Ending channel: 0

Multiplexer configuration:
  Number of boards= 0
  Number of channels= 0

Press MEASURE to scan through all the
channels as an installation check.

14-JAN-95 10:40:25
```

## New Mux Screen

```
--MULTIPLEXER SCREEN--

Starting channel: 0
Ending channel: 0

Multiplexer configuration:
  Number of boards= 0
  Number of channels= 0

Press MEASURE to scan through all the
channels as an installation check.

14-JAN-97 10:40:25
```

No changes were made in the Multiplexer Screen; it remains the same.

## Previous Setup Screen

```
SETUP SCREEN
Copyright 1988-95 SEC 6058C6-2000
Length units: millimeters <->
Cable loss: 0.0 dB/100 ft
Moisture Table: CUN <-> Label: Con Unco
Date: (dd-MMM-yy)
Time: (hh:mm:ss)
Capture Window: 10 nS <->
Storage: 1 <-> Label:
Baud Rate: 9600 <->
Stop bits: 1 <-> Modem: None <->
Parity: none <->
Flow Control: xon/xoff <->
commas <->
240 secs <->

16-JAN-95 0:52:53
```

## New Setup Screen

```
SETUP SCREEN
Copyright 1988-97 SEC 6058C6-2100A
Date: (dd-MMM-yy)
Time: (hh:mm:ss)
Length units: centimeters <->
Moisture table: BUN <-> Label: Bur unco
WG Time offset: 0.12
Storage area: 1 <-> Label:
Baud Rate: 9600 <->
Stop bits: 1 <-> Modem: Yes <->
Parity: none <->
Flow Control: xon/xoff <->
SENDing format: commas <->
Auto shutoff in: 240 secs <->

01-JAN-97 1:36:58
```

1. The copyright has changed from 1988-96 SEC to 1988-1997 SEC 6058C6-2100A.
2. Length units were moved down two lines.
3. The “Cable loss” function is no longer needed and was replaced with “Date”.
4. Moisture table was moved down to line 4.
5. The “Time” function was moved under “Date”.
6. The “Capture Window” function was moved to the Measure screen as indicated earlier.
7. “WG Time offset” was added. This displays the waveguide offset for SEC and custom probes. The user can change this offset for the SUN and SCT moisture tables ONLY. “NoZ” indicates that zero has not been set.
8. “Storage” was renamed “Storage area”; no changes were made to its function.
9. SENDing format selections are comma and 1-2-3 only; the printer format is no longer supported.

