

Reference

Tektronix

TDS 820
Digitizing Oscilloscope
070-8511-01

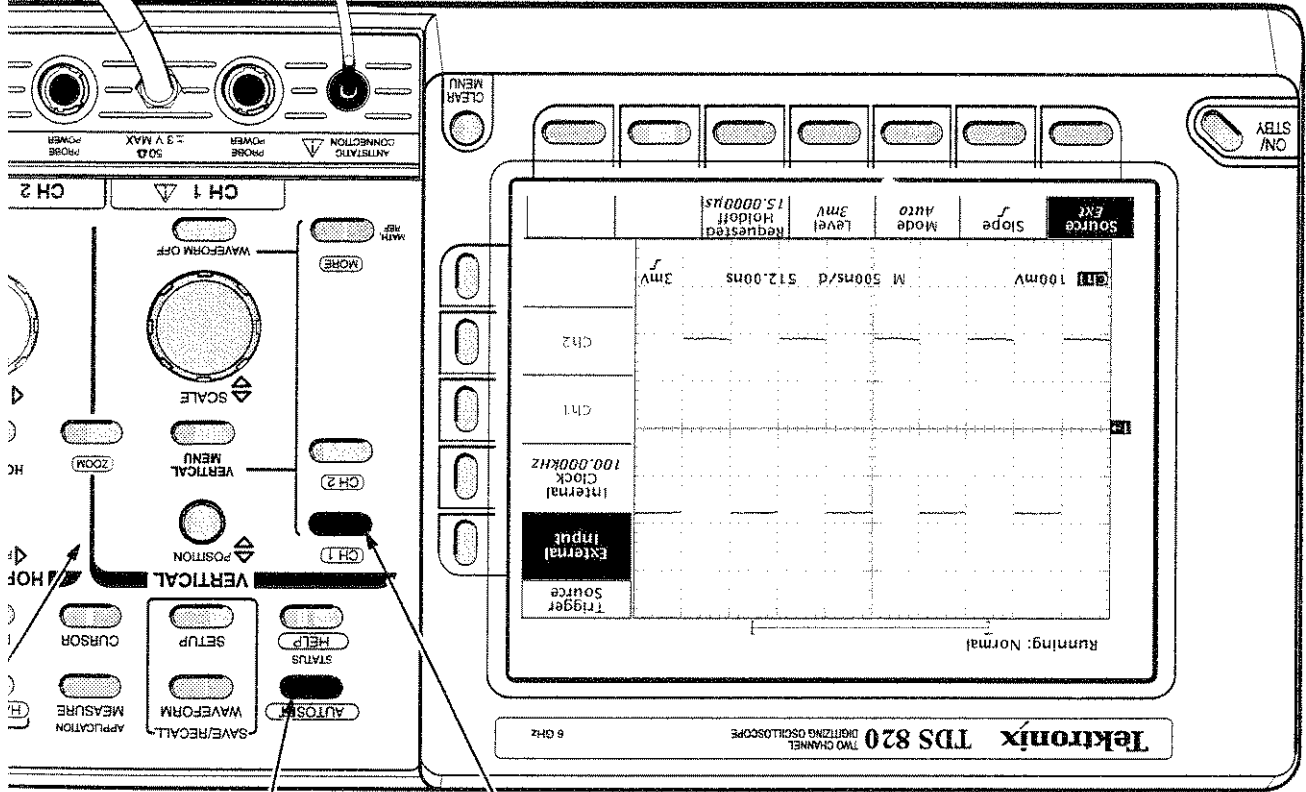
RETURN THIS MANUAL

**IF NOT RETURNED,
YOU WILL BE CHARGED
A MINIMUM OF \$50.00**

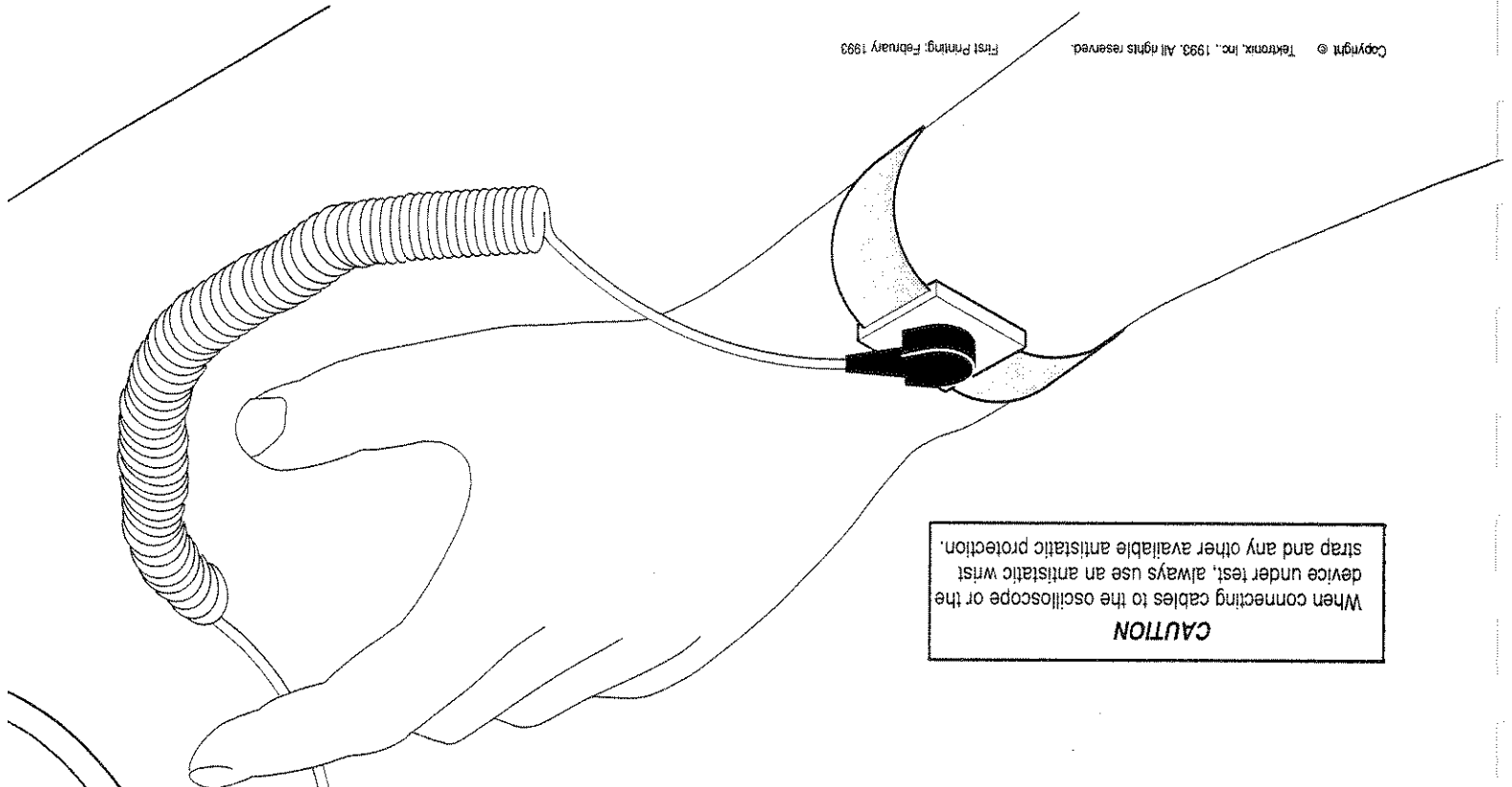
PLEASE RETURN TO:
NEWCOURT FINANCIAL
TECHNOLOGY RENTALS & SERVICES
1830 WEST AIRFIELD DRIVE
DFW AIRPORT, TX 75261
LN14004-9
08 January 99

Displaying a Waveform

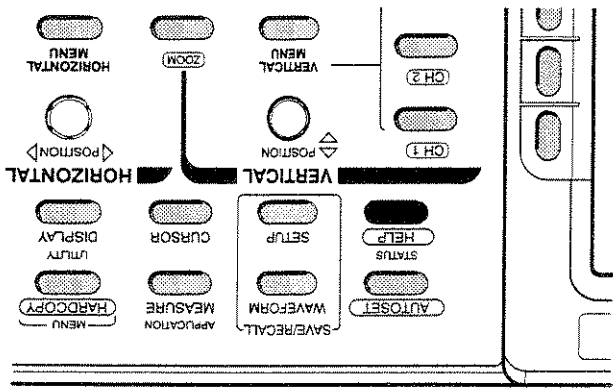
- 1** Put on an antistatic wrist strap
- 2** Attach a cable or probe to CH 1 and hook it up to your signal
- 3** Press CH 1 button
- 4** Press AUTOSET



CAUTION
When connecting cables to the oscilloscope or the device under test, always use an antistatic wrist strap and any other available antistatic protection.



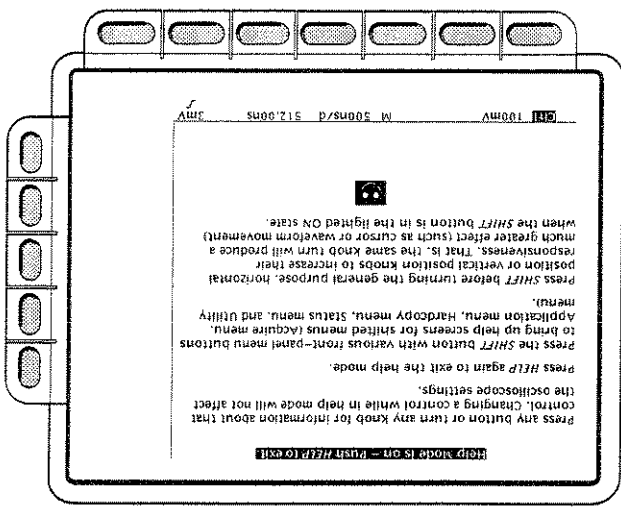
On-Line Help



Press **HELP** button.

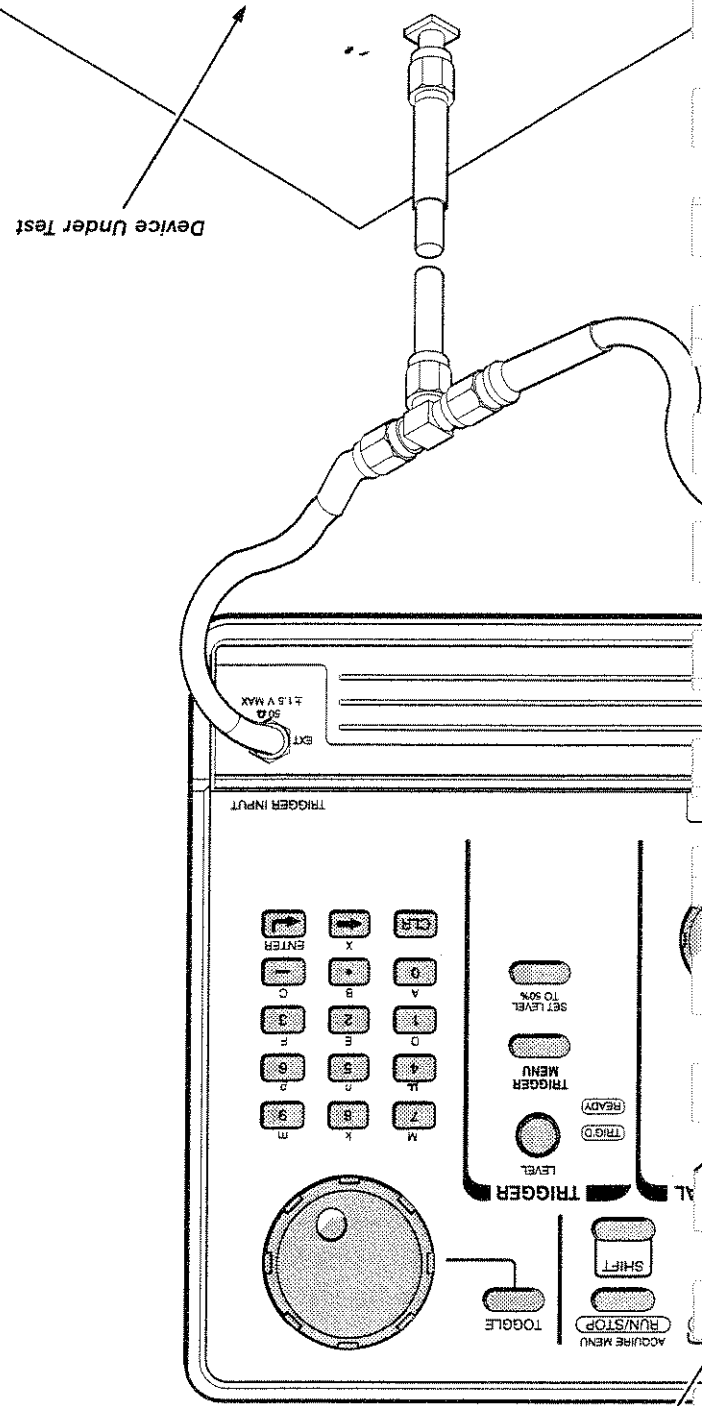
Now turn any knob or press any button and read a description of it on the display.

Press **HELP** button again to exit help.



Adjust **VERTICAL** and **HORIZONTAL** POSITION and **SCALE** as desired

5



Device Under Test

Operating a Menu

Press any of the front panel menu buttons.

Use **SHIFT** Button for Alternate (Blue) Menus

Select an item from the main menu.

Triggering

Press **TRIGGER MENU** button.

Select trigger parameter from main menu.

Select trigger slope.

Coarse Knobs

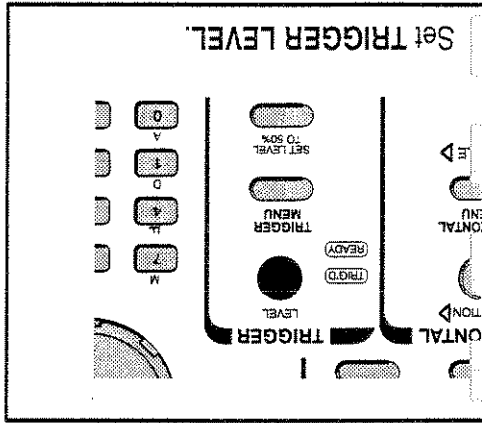
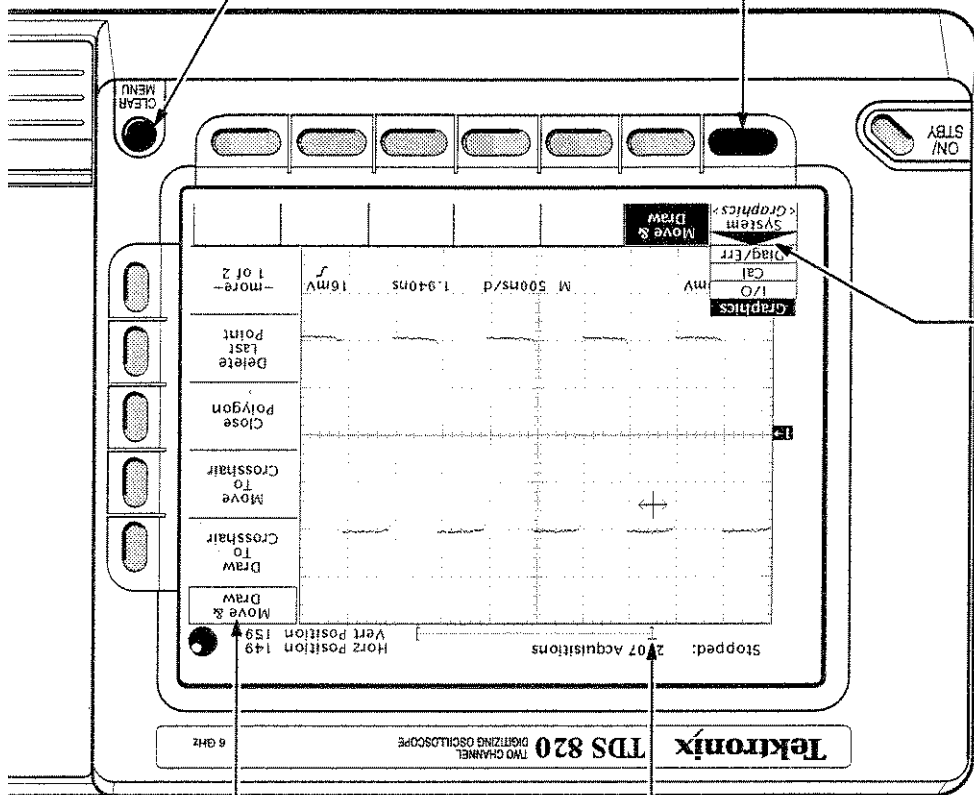
Press **SHIFT** button to change rate of **VERTICAL** and **HORIZONTAL POSITION** knobs and general purpose knob.

A pop-up selection changes the other main menu items.
 Press Again to Make Selection to Display Pop-Ups

Removes Menus from Screen

Press to Display Pop-Ups

Pop-Up Menu Indicates

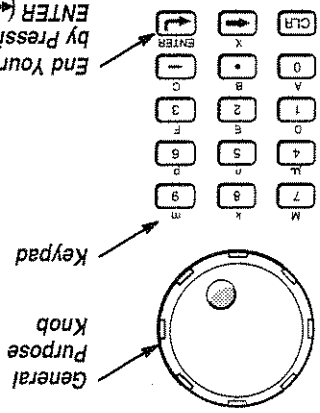


Title of Side Menu

"T" Shows Trigger Position

Adjust menu item values with general purpose knob or by entering numbers on the keypad.

End Your Entry by Pressing ENTER (↵)

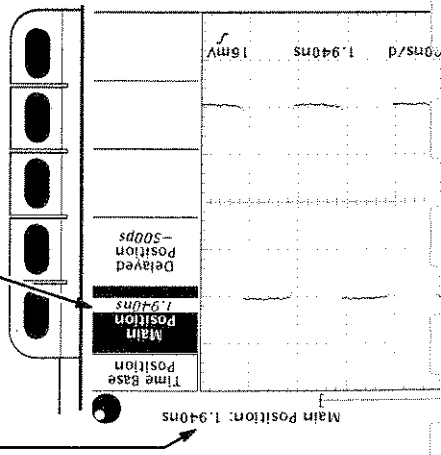


Use SHIFT Button for Alternate (Blue) Values

Readout Indicates Value can be Adjusted with General Purpose Knob or Keypad

Adjustable Menu Item Value

Select an item from the side menu, if displayed.

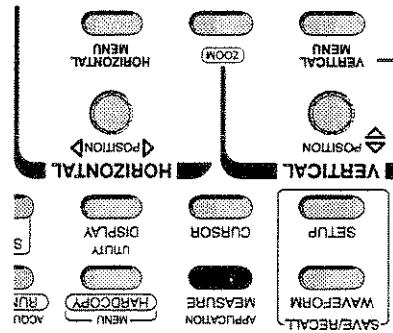


1 of 8 -more-	Negative Width		Negative Duty Cycle	-more- 2 of 8
2 of 8 -more-	Positive Width		Positive Duty Cycle	-more- 3 of 8
3 of 8 -more-	Frequency		Fall Time	-more- 4 of 8
4 of 8 -more-	Period		Rise Time	-more- 5 of 8
5 of 8 -more-	Measurement		Delay	Measurement
6 of 8 -more-	Measurement		Phase	Measurement
7 of 8 -more-	Measurement		Burst Width	Measurement
8 of 8 -more-	Measurement		Negative Cross	Measurement
9 of 8 -more-	Measurement		Positive Cross	Measurement
10 of 8 -more-	Measurement		High	Measurement
11 of 8 -more-	Measurement		Low	Measurement
12 of 8 -more-	Measurement		Max	Measurement
13 of 8 -more-	Measurement		Min	Measurement
14 of 8 -more-	Measurement		5 of 8	Measurement

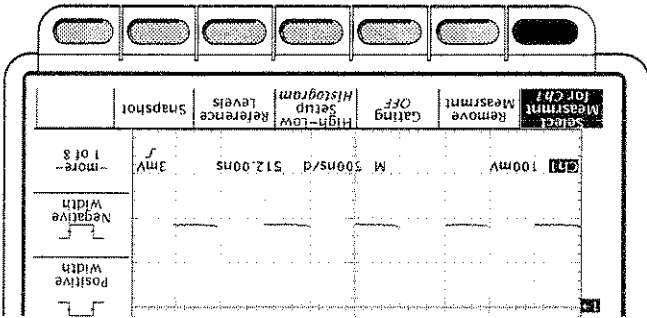
AUTOMATED MEASUREMENT SELECTIONS

Automated Measurements

Press MEASURE button.

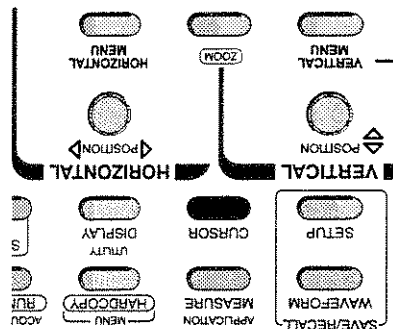


Press Select Measrmt in main menu.

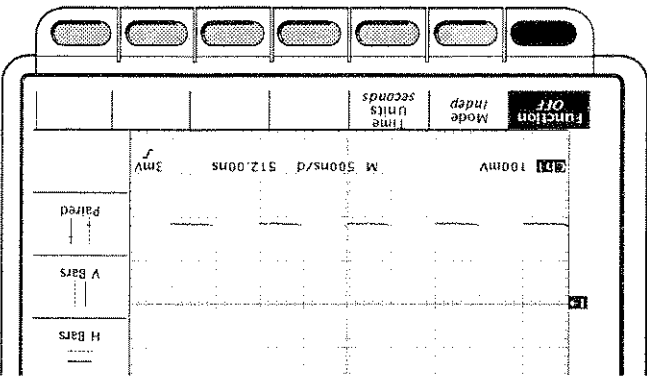


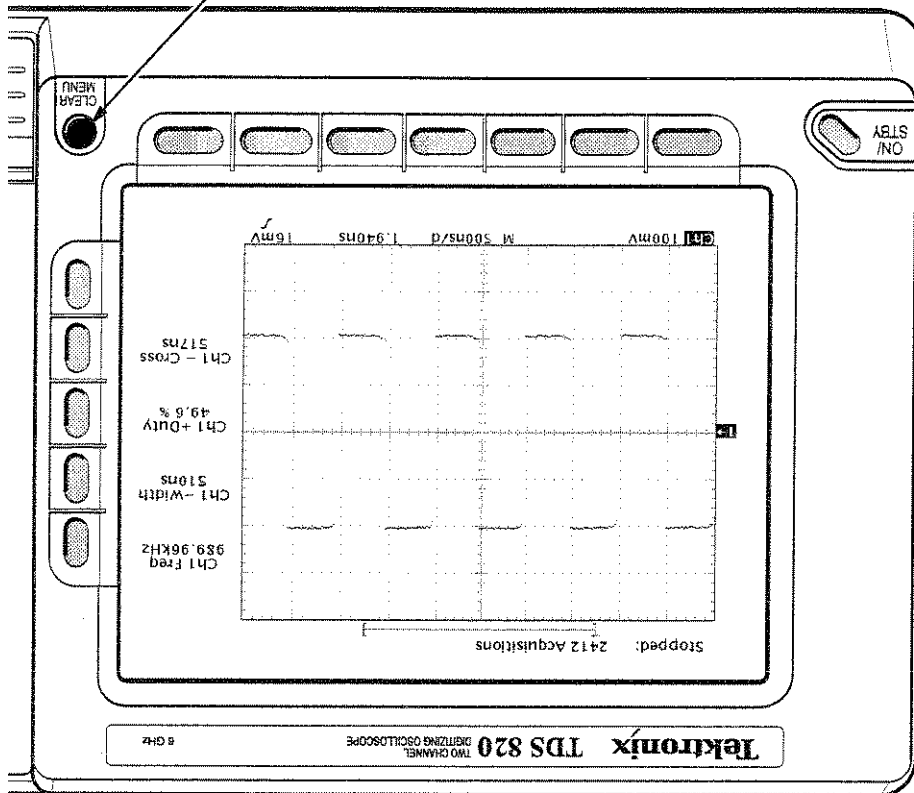
Cursor Measurements

Press CURSOR button.



Press Function in main menu.





Moves Measurement Readouts Away from the Graticule

Select Measurement	Select Measurement	Select Measurement	Area	Cycle Area	more - 8 of 8
PK-PK	Mean	Cycle Mean	Area	Cycle Area	more - 8 of 8
Amplitude	Mean	Cycle Mean	Area	Cycle Area	more - 8 of 8
Positive Overshoot	RMS	Cycle Mean	Area	Cycle Area	more - 8 of 8
Negative Overshoot	Cycle RMS	Cycle Mean	Area	Cycle Area	more - 8 of 8
more - 6 of 8	more - 7 of 8	more - 8 of 8	more - 8 of 8	more - 8 of 8	more - 8 of 8

