

Tektronix

Reference

TDS 820
Digitizing Oscilloscope
070-8511-01

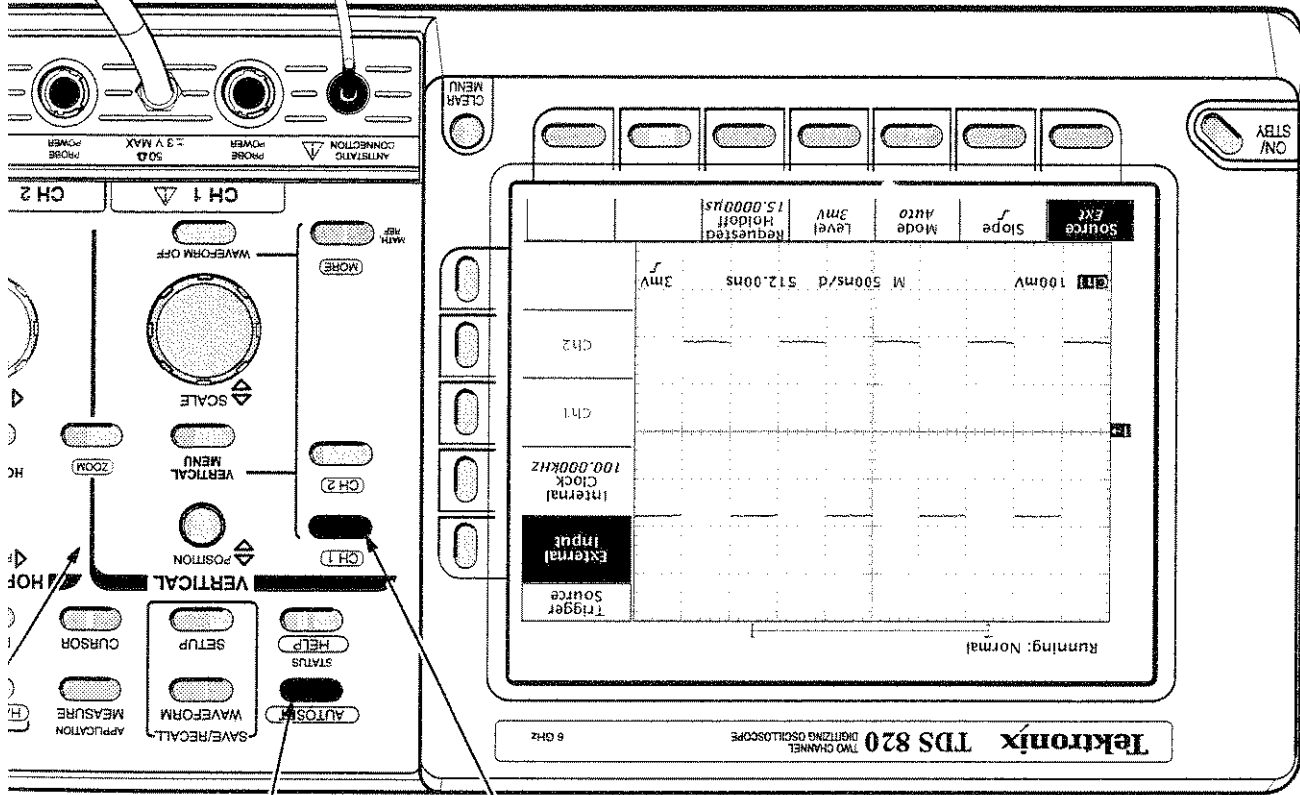
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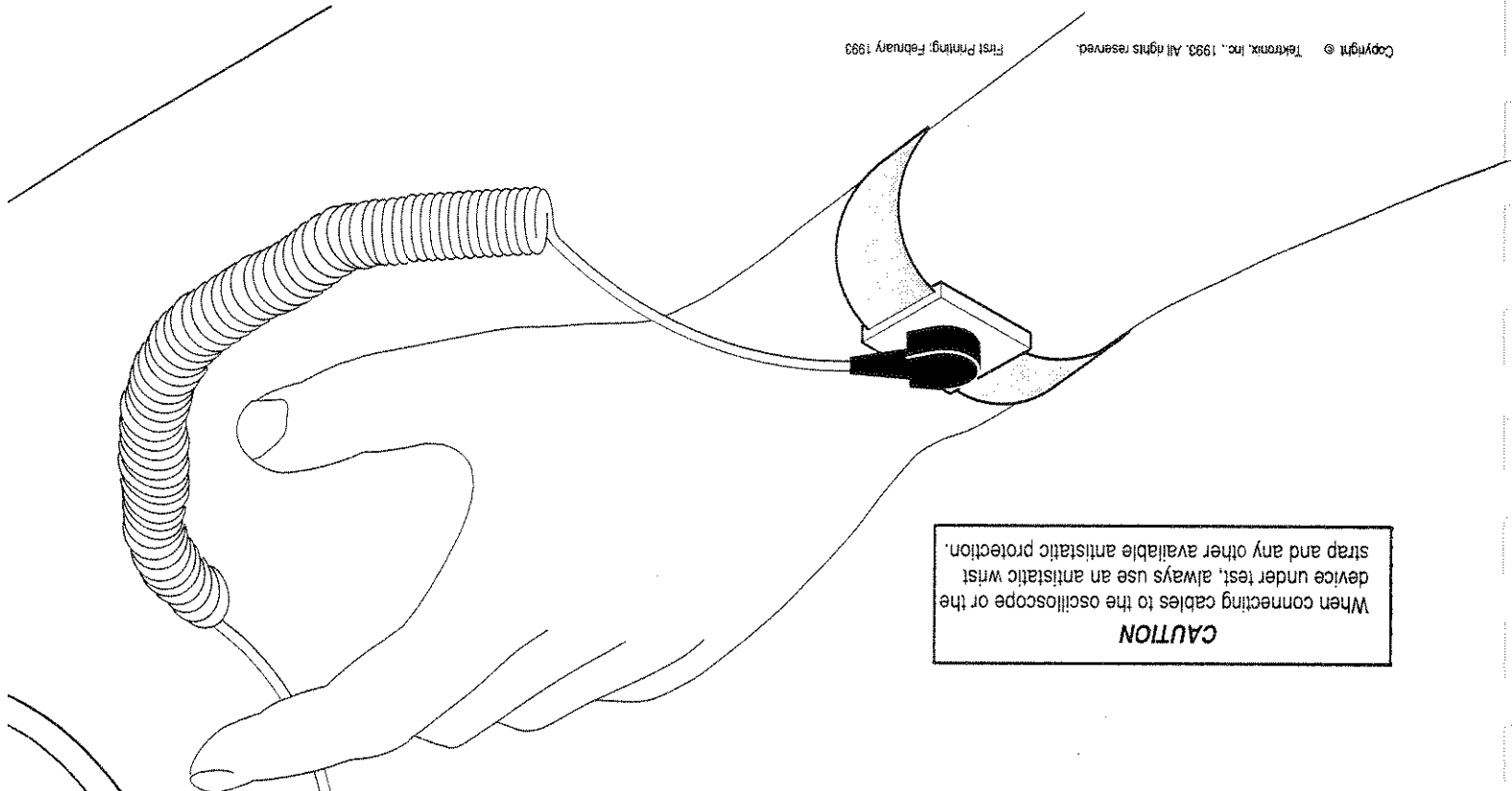
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Displaying a Waveform

- 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.

Press **HELP** button.

Help mode is on - push **HELP** to exit.

Press any button or turn any knob for information about that control. Changing a control while in help mode will not affect the oscilloscope settings.

press **HELP** again to exit the help mode.

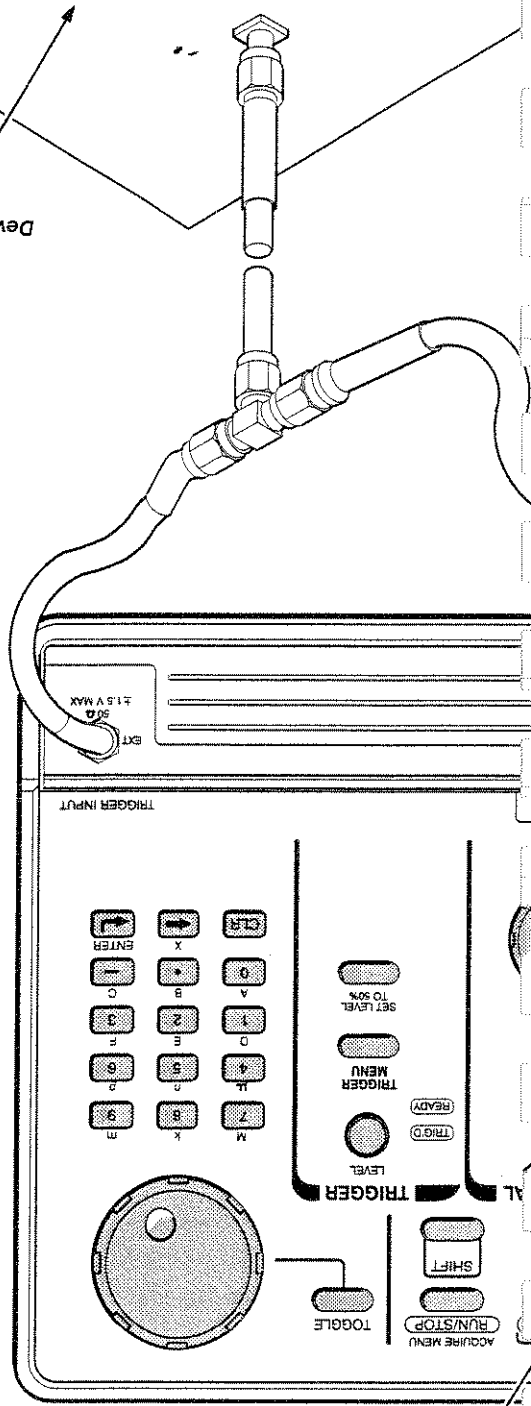
press the **SHIFT** button with various front-panel menu buttons to bring up help screens for shifted menus (acquire menu, Application menu, Hardcopy menu, status menu, and Utility menu).

press **SHIFT** before turning the general purpose, horizontal position or vertical position knobs to increase their responsiveness. That is, the same knob turn will produce a much greater effect (such as cursor or waveform movement) when the **SHIFT** button is in the lit/ON state.

HELP 100mV M 500ns/D 512.90ns 3M Ω

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

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



5 Adjust VERTICAL and HORIZONTAL POSITION and SCALE as desired

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

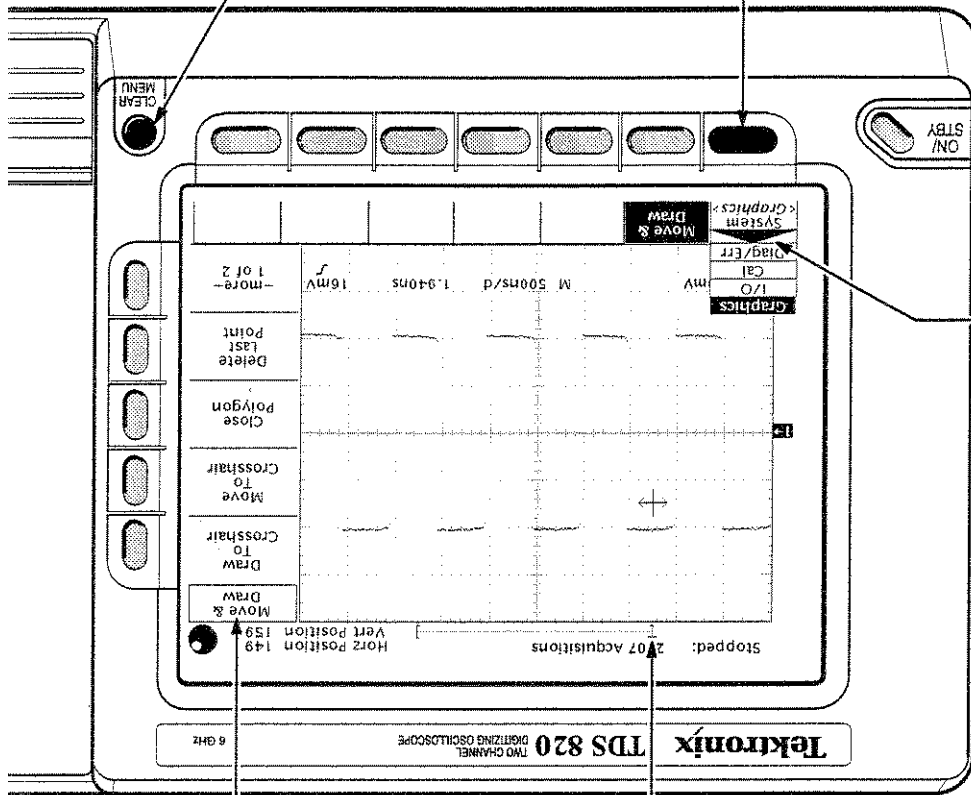
Press **SHIFT** button to change rate of **VERTICAL** and **HORIZONTAL POSITION** knobs and general purpose knob.

A pop-up selection changes the other main menu items.

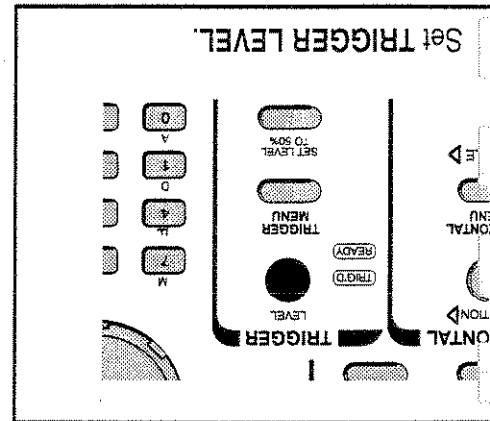
Press Again to Make Selection

Press to Display Pop-Ups

Removes Menus from Screen



Pop-Up Menu Indicates

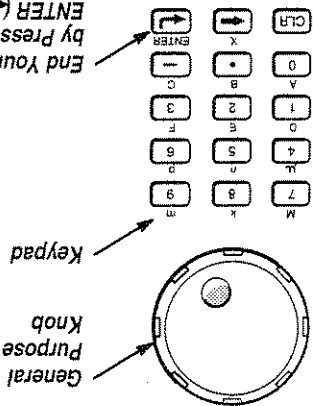


Title of Side Menu

"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 (↵)

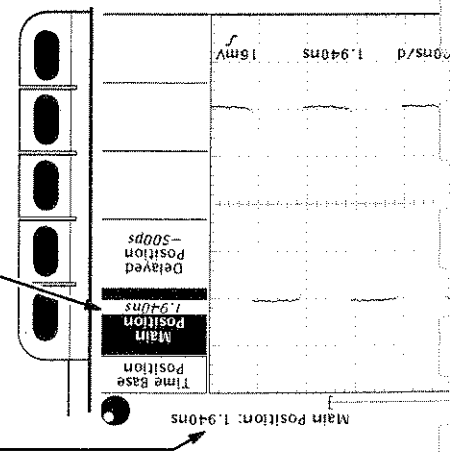


Use SHIFT Button for Alternate (Blue) Values

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

Adjustable Menu Item Value

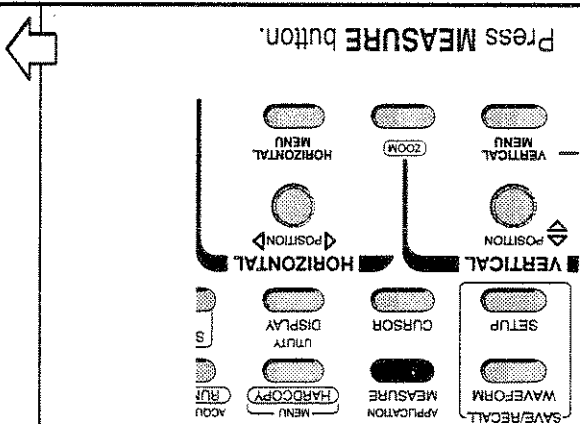
Select an item from the side menu, if displayed.



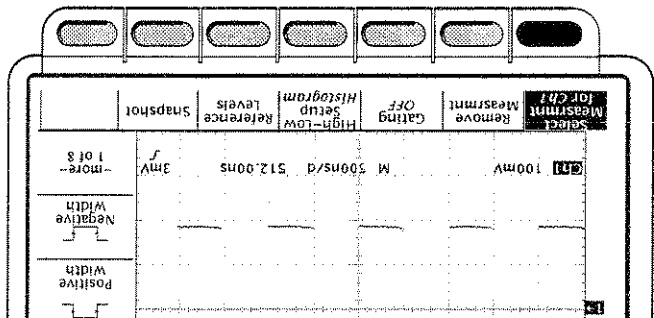
Select Measurement	High	Low	Max	Min	-more- 5 of 8
Select Measurement	Period	Frequency	Positive Width	Negative Width	-more- 1 of 8
Select Measurement	Rise Time	Fall Time	Positive Duty Cycle	Negative Duty Cycle	-more- 2 of 8
Select Measurement	Delay	Phase	Burst Width		-more- 3 of 8
Select Measurement	Positive Cross	Negative Cross			-more- 4 of 8
Select Measurement					-more- 5 of 8

AUTOMATED MEASUREMENT SELECTIONS

Automated Measurements

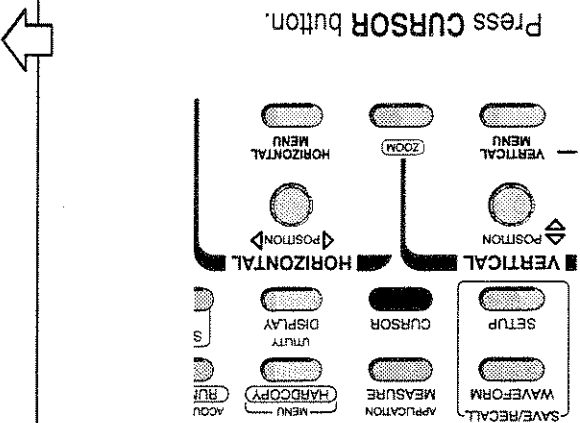


Press MEASURE button.

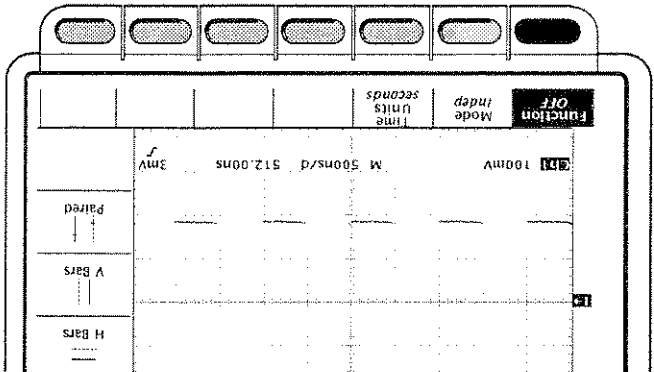


Press Select Measurement in main menu.

Cursor Measurements

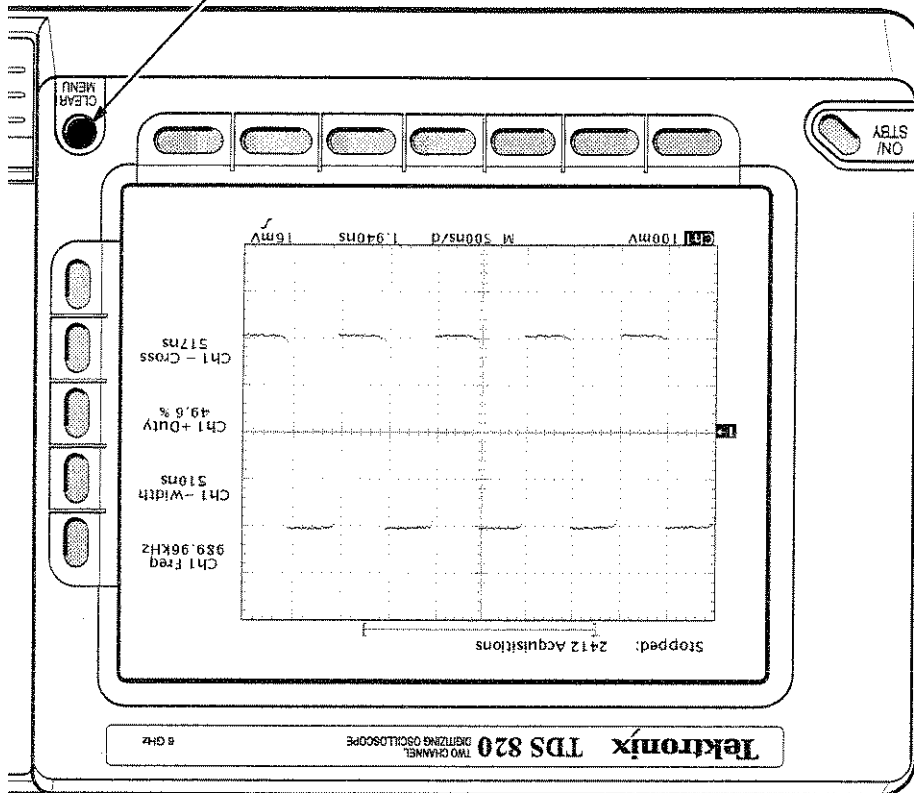


Press CURSOR button.



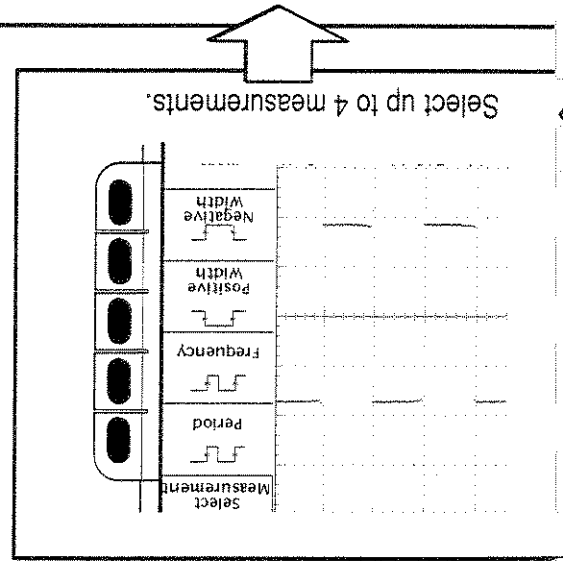
Press Function in main menu.

Moves Measurement Readouts Away from the Graticule

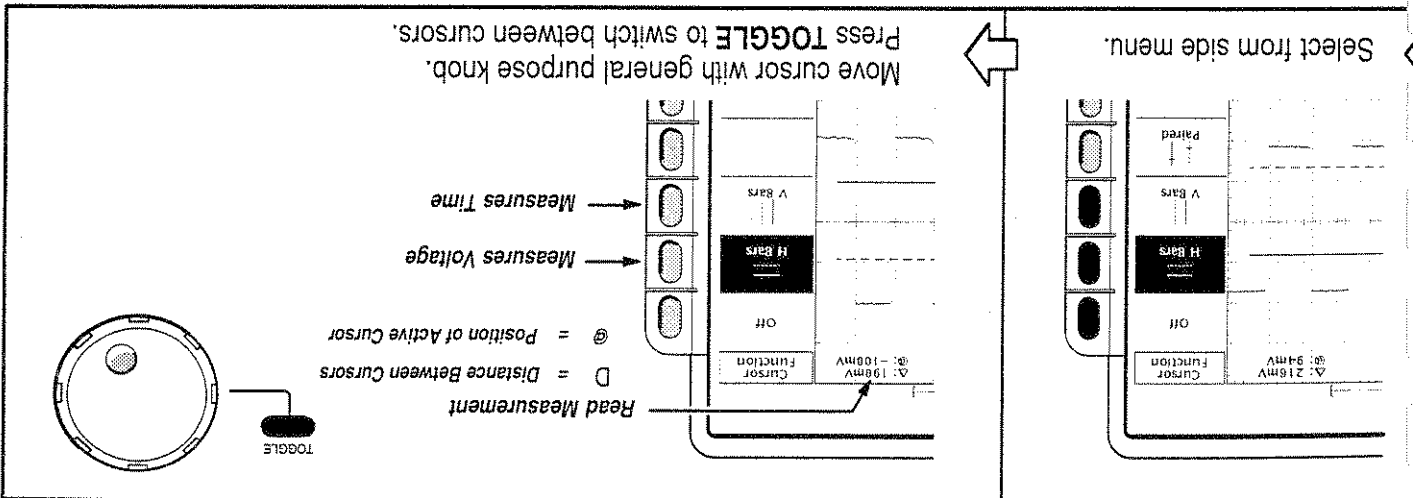


more- 8 of 8	more- 7 of 8	more- 6 of 8
Select Measurement	Select Measurement	Select Measurement
Area	Mean	PK-PK
Cycle Area	Cycle Mean	Amplitude
	RMS	Positive Overshoot
	Cycle RMS	Negative Overshoot
more- 8 of 8	more- 7 of 8	more- 6 of 8

To 1 of 8



Select up to 4 measurements.



Move cursor with general purpose knob. Press TOGGLE to switch between cursors.

Select from side menu.

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