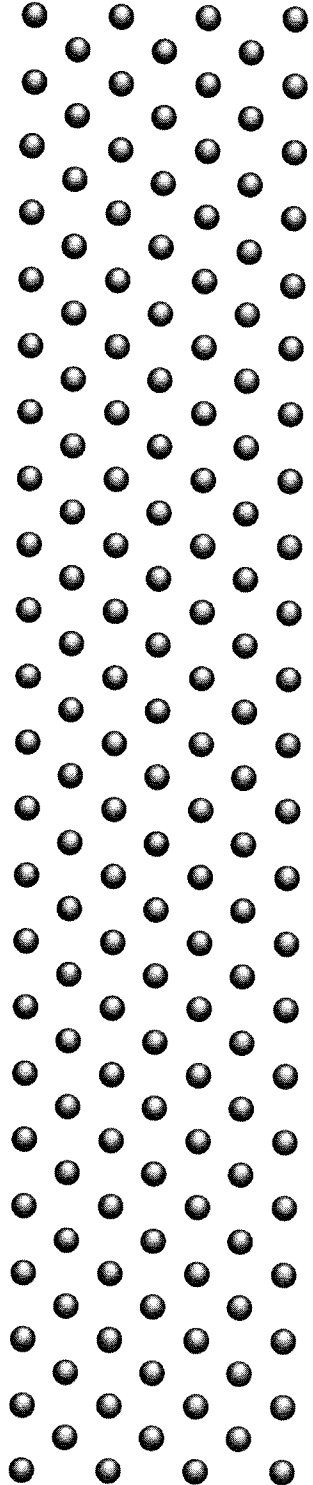


Tektronix

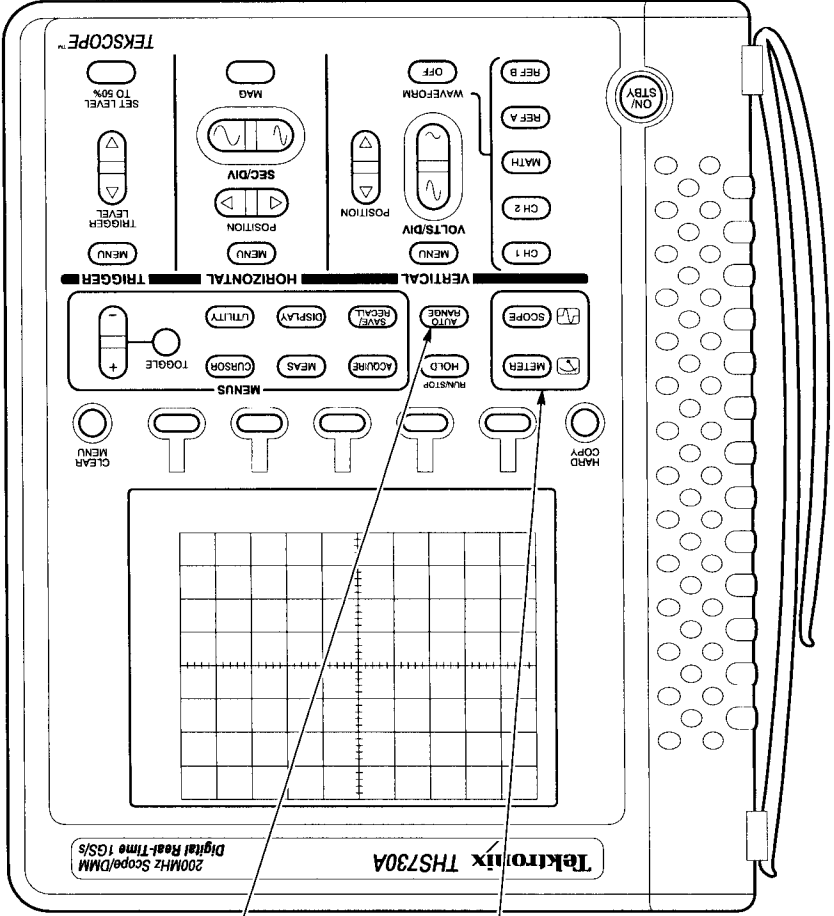
**THS710A, THS720A,
THS730A & THS720P
TekScope™
Reference**

070-9741-00



Getting Started

- 1 Connect probes or leads.
- 2 Choose **SCOPE** or **METER** mode.
- 3 Press **AUTORANGE**.



HORIZONTAL POSITION. Adjusts oscilloscope waveform horizontal position.

MAG. Turns 10X horizontal magnification on and off.

MATH. Displays and selects the math waveform.

MEAS. Displays the Measurement menu.

METER. Selects meter mode.

ON/STBY. Selects on or standby. Does not disconnect power from the instrument.

REF A and **REF B.** Displays and selects a reference waveform.

SAVE/RECALL. Displays the Save/Recall menu.

SCOPE. Selects scope mode.

SEC/DIV. Adjusts horizontal scale factor for oscilloscope or data logger.

SET LEVEL TO 50%. Sets trigger level to midpoint of oscilloscope waveform.

TOGGLE and **+/-** Rocker. Select and move cursors. Adjust numerical values.

TRIGGER LEVEL. Adjusts trigger level.

TRIGGER MENU. Displays the Trigger menu.

UTILITY. Displays the Utility menu.

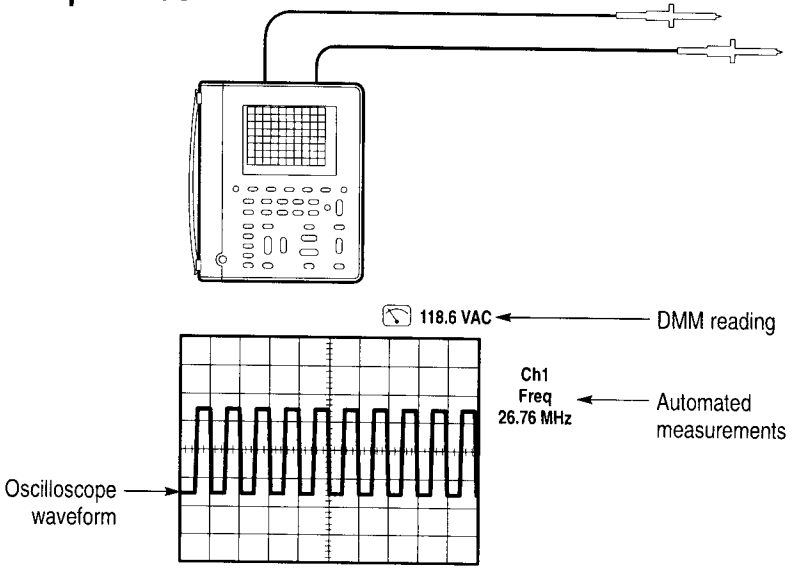
VERTICAL MENU. Displays the Vertical menu.

VERTICAL POSITION. Adjusts oscilloscope waveform or data logger vertical position.

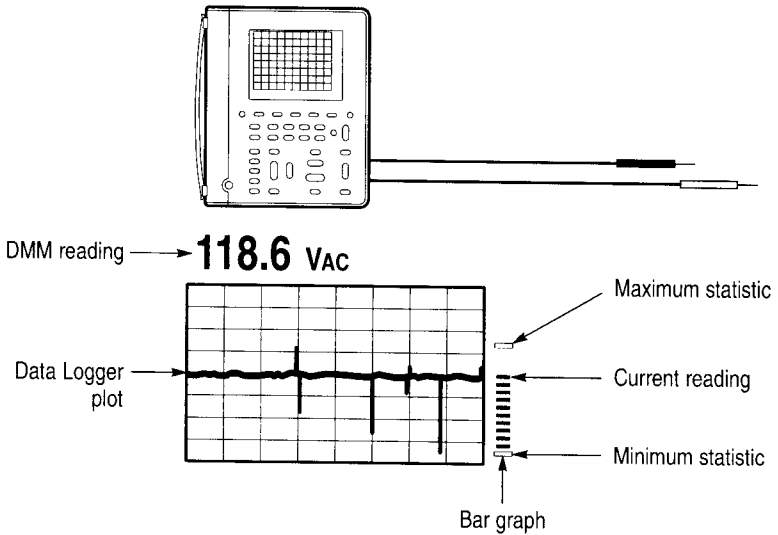
VOLTS/DIV. Adjusts oscilloscope vertical scale factor or meter range.

WAVEFORM OFF. Removes selected oscilloscope waveform from display.

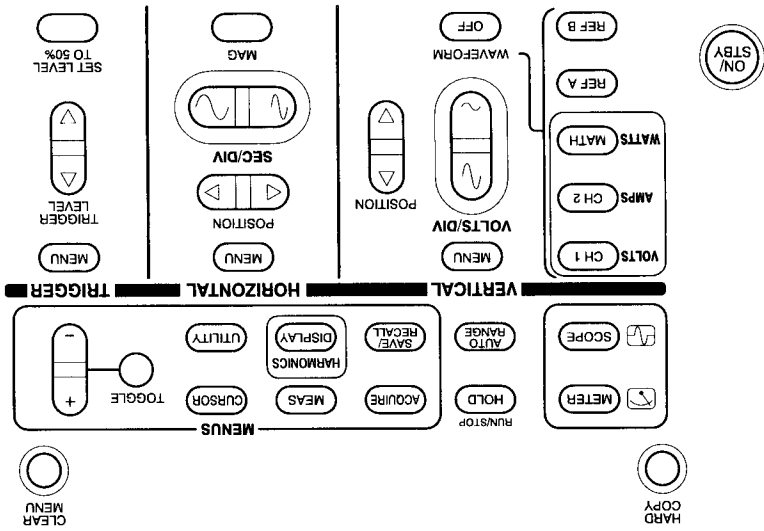
Scope Mode



Meter Mode



Front-Panel Buttons



ACQUIRE. Displays the Acquire menu.

AUTORANGE. Selects oscilloscope or meter Autorange function.

CH 1 and CH 2. Displays and selects a channel waveform.

CLEAR MENU. Clears menu from display.

CURSOR. Displays the Cursor menu.

DISPLAY. Displays the Display menu and activates Harmonics (THS720P).

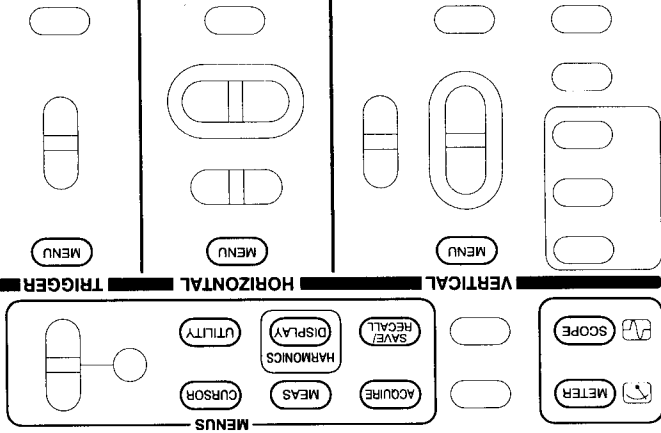
HARD COPY. Initiates a hard copy using the RS-232 port.

HOLD. Stops/restarts oscilloscope acquisition or holds/resets meter readout.

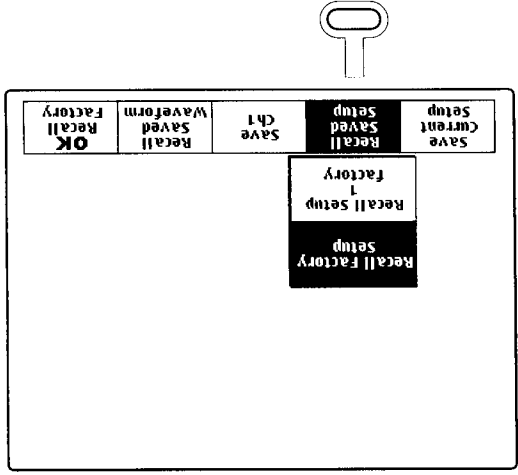
HORIZONTAL MENU. Displays the Horizontal menu.

Menu System

1 Press a front-panel button to display a menu.



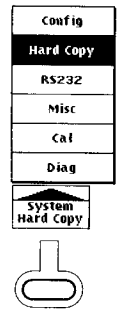
2 Press a bezel button to choose a menu item. If a pop-up menu appears, continue to press the bezel button to choose an item in the pop-up menu.



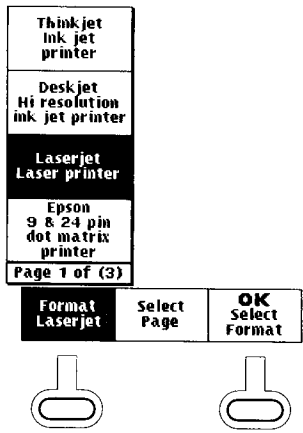
2 Press **UTILITY**.



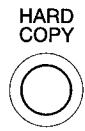
3 Choose **Hard Copy** from the System pop-up menu.



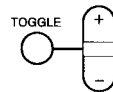
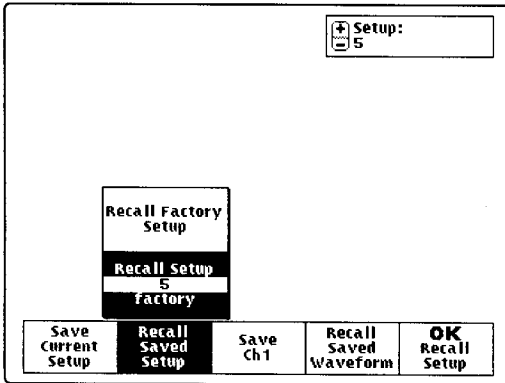
4 Choose a printer format. Press **OK**.



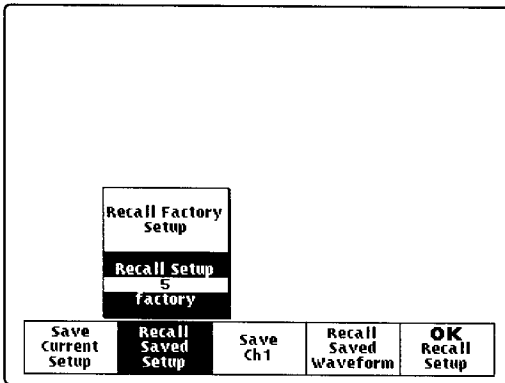
5 When ready to print, press **HARD COPY**.



- 3 Certain menu choices require you to set a numerical value to complete the setup. Use the +/- rocker to adjust the value.



- 4 If the OK bezel button is displayed, press it to confirm your choice.



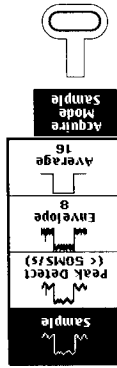
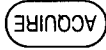
Acquisition Mode



1 Press **ACQUIRE**.

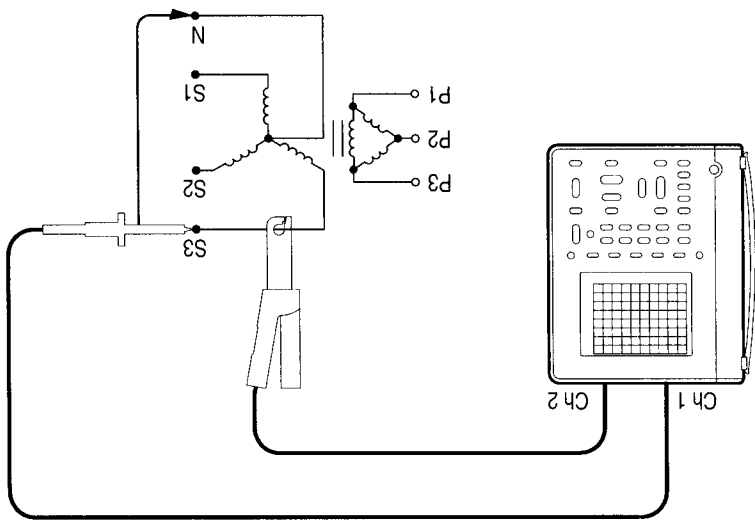
2 Choose an acquisition mode.

3 To remove menus, press **CLEAR MENU**.



Harmonics (THS720P)

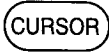
1 Connect the probes or leads.



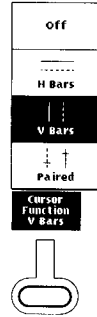


Cursors

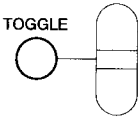
1 Press **CURSOR**.



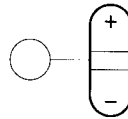
2 Choose a cursor function.



3 Use **TOGGLE** to choose the active cursor.



4 Use the +/- rocker to adjust the cursor position.



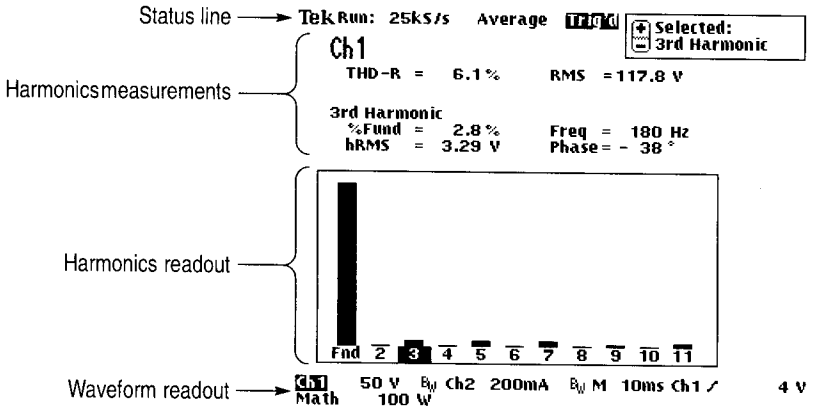
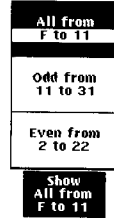
2 Press **DISPLAY** (**HARMONICS**).



3 Choose **On**.



4 Choose a set of harmonics.



5 To choose other measurements, press one of the following buttons.

<p>TOGGLE</p> <p>Select next harmonic</p>	<p>VOLTS CH 1</p> <p>Voltage harmonics</p>	<p>AMPS CH 2</p> <p>Current harmonics</p>	<p>WATTS MATH</p> <p>Power measurements</p>
---	---	--	--

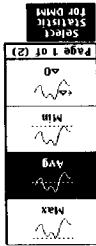
Automated Measurements



1 Press MEAS.

2 Choose from the pop-up menu.

3 Press OK.



Meter Statistic Choices



Max	Min	Average	Max-Min	Rel Δ
-----	-----	---------	---------	-------

Scope Measurement Choices

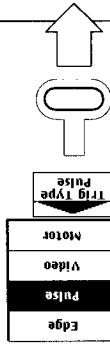


Period	Rise Time	Positive Overshoot	High	Mean	Burst Width
Frequency	Fall Time	Negative Overshoot	Low	Cycle Mean	
Positive Width	Positive Duty Cycle	PK-Pk	Max	RMS	
Negative Width	Negative Duty Cycle	Amplitude	Min	Cycle RMS	

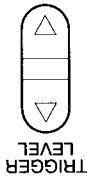
Trigger Type



1 Press TRIGGER MENU.



2 Choose a trigger type.



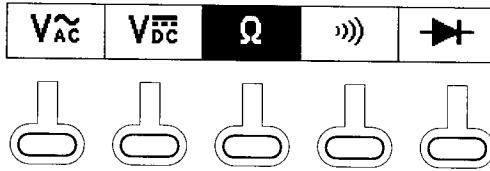
3 Adjust the TRIGGER LEVEL.

Edge or Motor		Pulse		Video	
Source	Choose Ch 1 or Ch 2 or External (Edge)	Source	Choose Ch 1 or Ch 2	Source	Choose Ch 1 or Ch 2
Coupling (Ch 1 or Ch 2)	DC HF Reject LF Reject Noise Rej (DC Low Sensitivity)	Positive ¹ Negative ¹	Positive ¹ Negative ¹	Odd Field ³ (Interlaced) Even Field ³ (Interlaced) Any Field ³ (Non-interlaced)	Lines Choose line with +/- rocker ³
Slope	Positive Negative	Polarity & width	Less Than Width Greater Than Width Equal To Width ² Not Equal To Width ²	Trigger on	Scan rate
				15 kHz to 20 kHz 20 kHz to 25 kHz 25 kHz to 35 kHz 35 kHz to 50 kHz 50 kHz to 65 kHz	2 Set tolerance 3 Choose line with +/- rocker



DMM and Data Logger

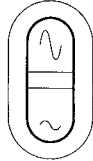
- 1 Choose a DMM function.



- 2 Press **AUTORANGE** or set a specific range.

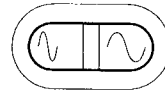


VOLTS/DIV



- 3 Set the Data Logger rate.

SEC/DIV



- 4 To select a Data Logger zoom factor, press **VERTICAL MENU** and then choose a zoom factor.

■ **VERTICAL** ■

