

93/95/97 SCOPEMETER



Quick Operating Guide

revised: 930104

Philips: 4822 872 00519

Fluke: 916127

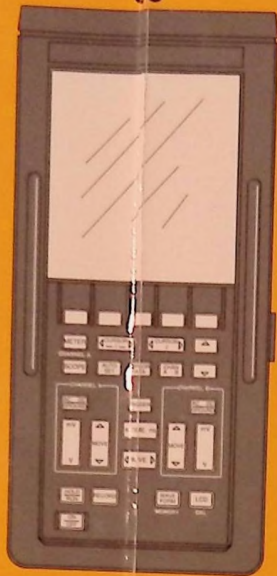


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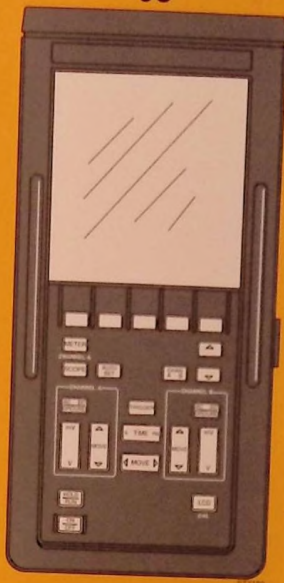
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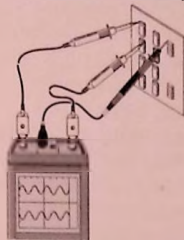
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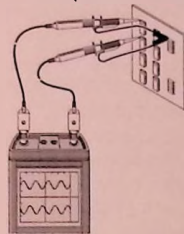


LF/HF CONNECTIONS

LF MEASUREMENT (DC to 1MHz)



HF MEASUREMENT (DC to 50 MHz)

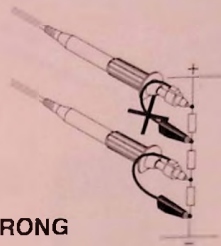


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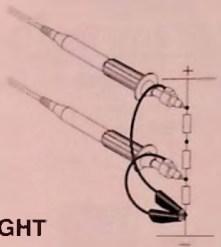
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COMMON (GND) CONNECTIONS 2



WRONG

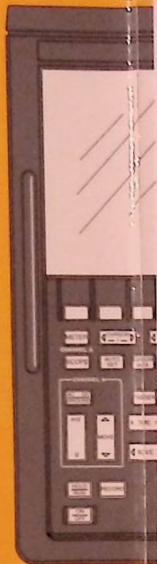
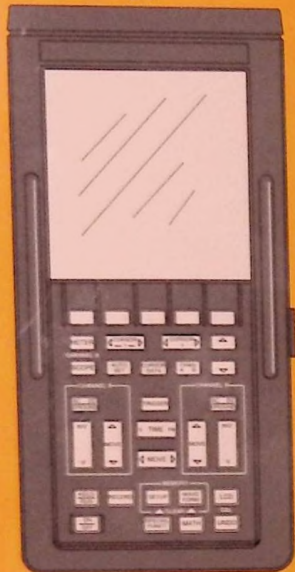


RIGHT

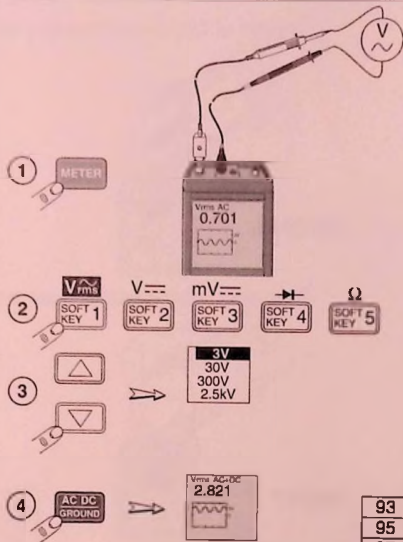
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3 MEASURING AC-RMS VOLTS

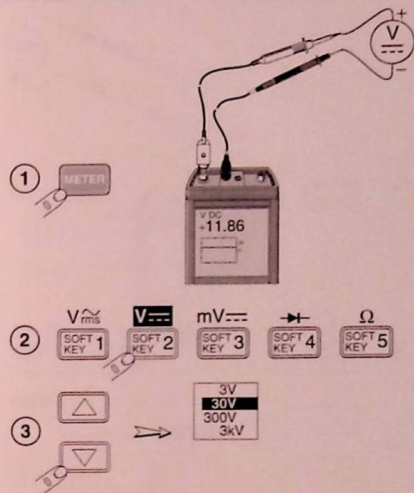


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MEASURING DC VOLTS

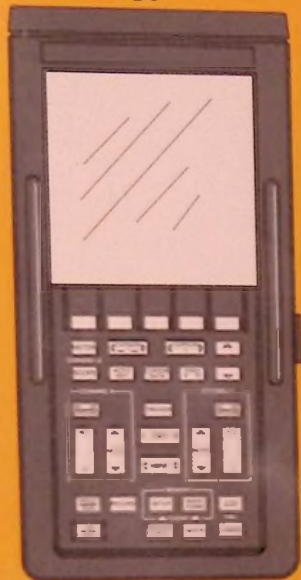


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5 ACCESSORY INPUT

① METER

② V_{rms} SOFT KEY 1 V_{DC} SOFT KEY 2 **mV** SOFT KEY 3 \rightarrow SOFT KEY 4 Ω SOFT KEY 5

③ Δ ∇ \rightarrow **3V**

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DIODE TEST

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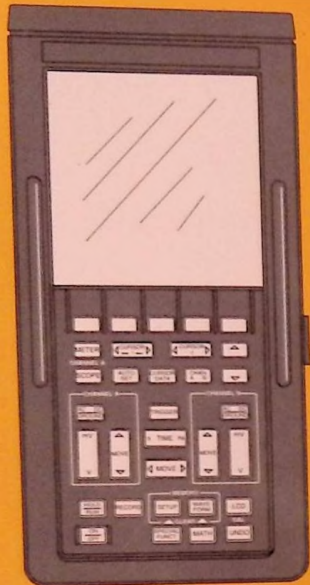
① METER

② V_{rms} SOFT KEY 1 V_{DC} SOFT KEY 2 **mV** SOFT KEY 3 \rightarrow SOFT KEY 4 Ω SOFT KEY 5

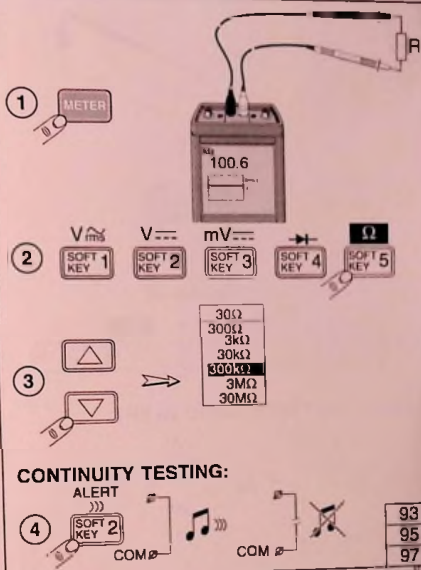
DIODE TEST WITH AUDIO ALERT:

③ ALERT COM \rightarrow COM

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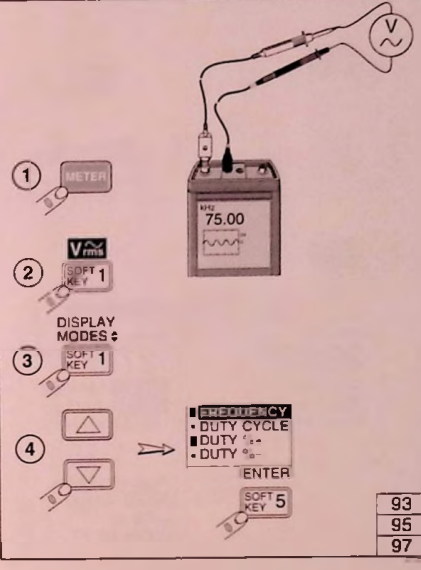


7 MEASURING RESISTANCE

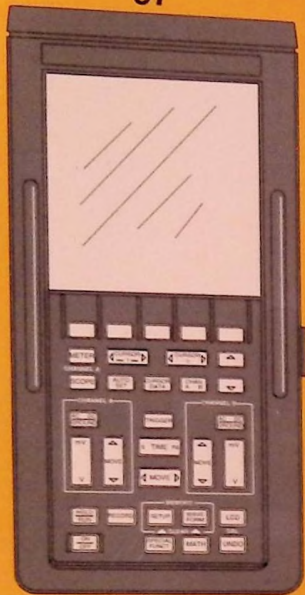


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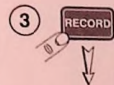
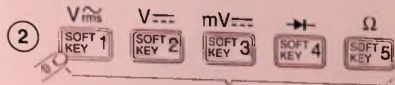
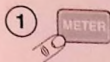
8 MEASURING FREQUENCY



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METER RECORD MODE



Vrms AC
29.63 NOW
 32.45 MAX 000h 00:58
 29.23 AVG 000h 00:31
 26.44 MIN 000h 00:17

ATTENTION!

Vrms AC
27.50 NOW
~~OL~~ MAX 000h 00:58
~~32.26~~ AVG 000h 00:31
 26.44 MIN 000h 00:17

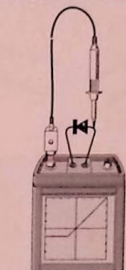
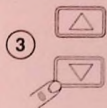
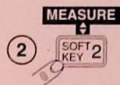
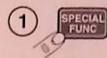
Average value:
 32.26 Vrms
 valid at
 000hr 00:57

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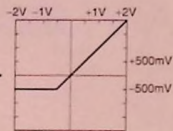
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COMPONENT TESTING



Components:
VOLTAGE
 • CURRENT
 ENTER
 SOFT KEY 5



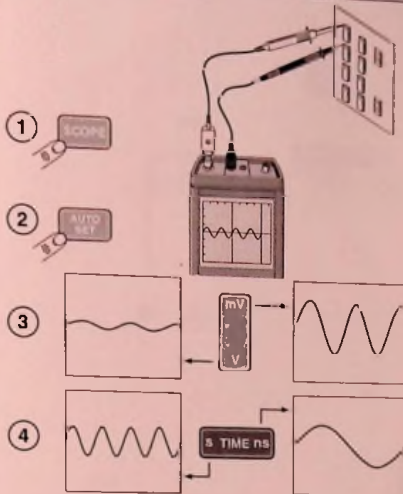
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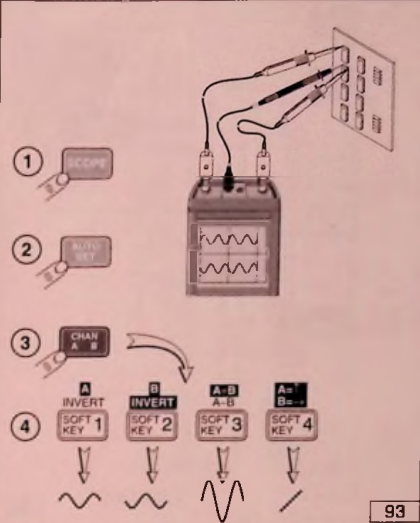
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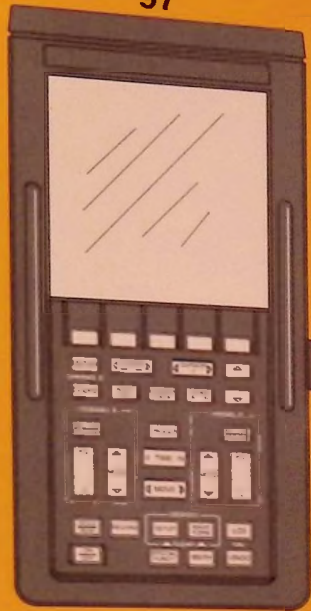


11 DISPLAYING A WAVEFORM



DISPLAYING TWO WAVEFORMS 12





i3 ZOOM IN A WAVEFORM

- 1 →
- 2 →
- 3 →
- 4 →
- 5 →
- 6 ETC.. (4) + (5)

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TIME BASE POSITIONS 14

- 1 →
- 2 →

ROLL

SINGLE /div

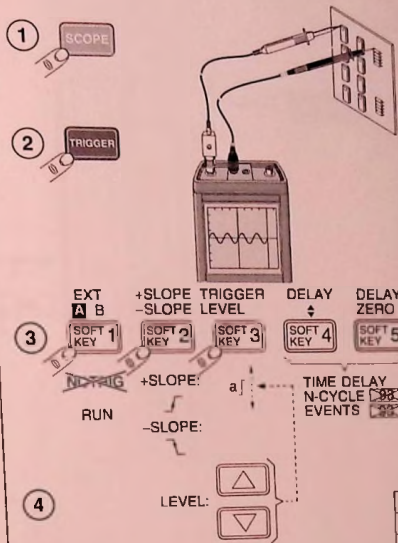
RECURRENT

MIN MAX on A

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SELECTING A TRIGGER



SINGLE SHOT CHECKLIST

- SCOPE

SINGLE RECURRENT	FREE RUN	CAPTURE 10 20	MIN MAX TRIGGER on A at 50%
Set to SINGLE	Set to off	Set as needed	Set as needed
- CHAN A B

A INVERT	B INVERT	A+B A-B	A-B B-
Set as needed	Set as needed	Set as needed	Set as needed
- A mV or B mV

Set to cover input signal(s)
- AC DC GROUND or AC DC GROUND

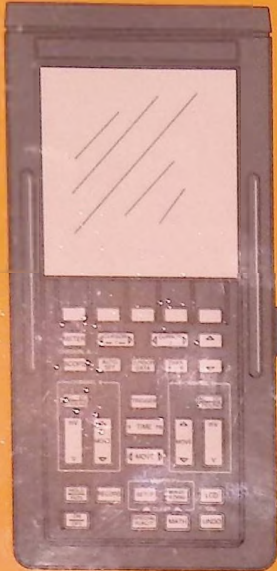
Set to DC
- TRIGGER

EXT A B	+SLOPE -SLOPE	TRIGGER LEVEL	DELAY DELAY ZERO
Set as needed	Set for 1st edge	Press and Adjust with Δ and ∇	Press and Adjust in Pop up
- TIME RES

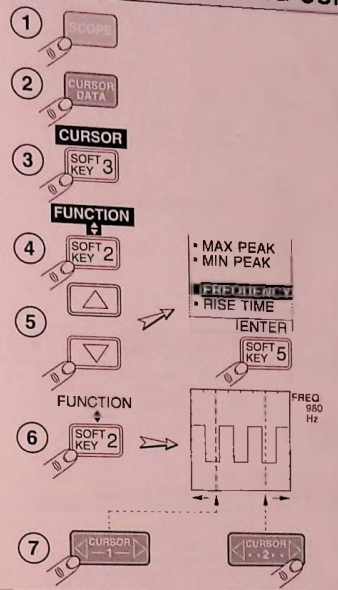
Set as needed
- HOLD RUN

Press to start (or stop) HOLD on display changes to NOTRIG On triggering to RUN On completion to HOLD

Notes : MIN MAX affects channel choices
: Models 93 and 95 have fewer softkey choices
: If GEN on then EXT trigger replaced by GEN

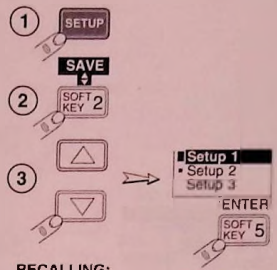


USING CURSORS

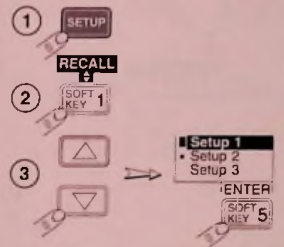


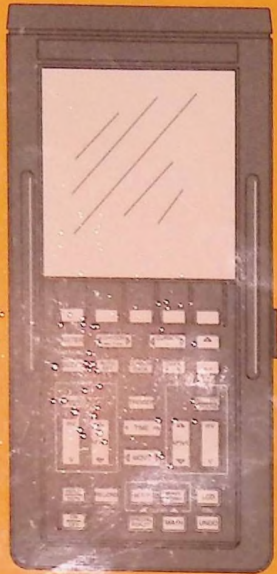
SAVE & RECALL SETUP

SAVING:

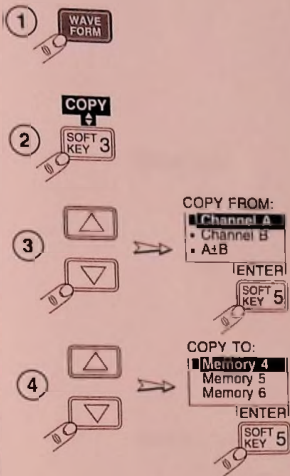


RECALLING:

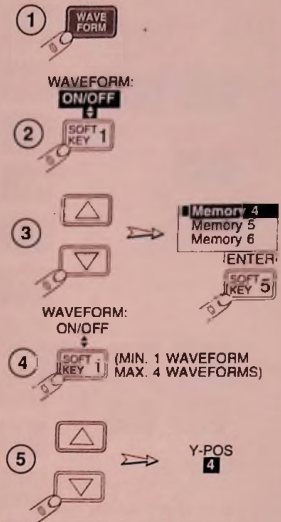




SAVE A WAVEFORM



DISPLAY A WAVEFORM



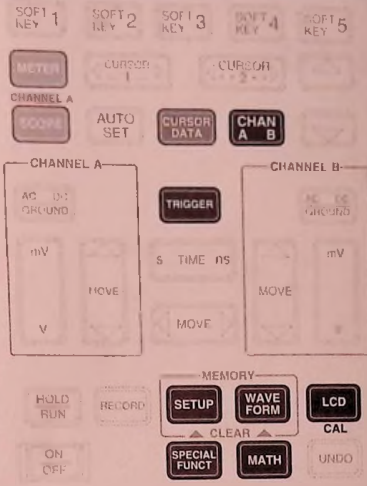
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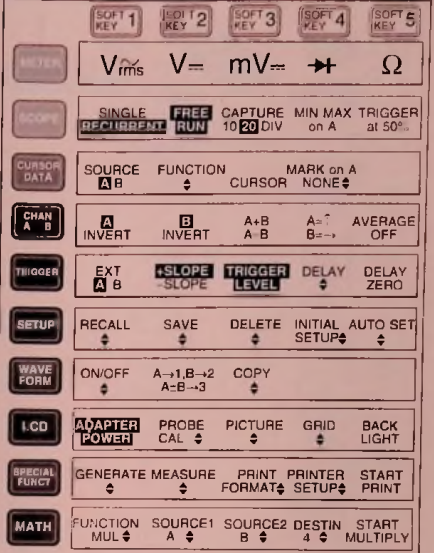
21 MENU KEY ROAD MAP

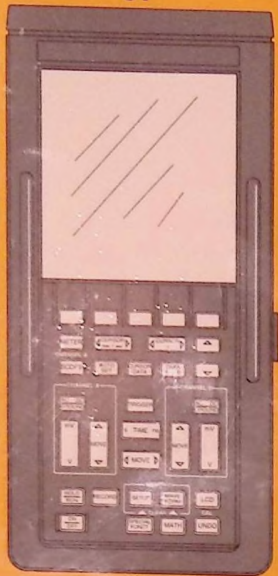


MODEL 97

Note: Models 93 and 95 have fewer key choices

MENU KEY ROAD MAP 22





HARD COPY

