

Instructions

Tektronix

**TSG 95 Pathfinder
PAL/NTSC Signal Generator**

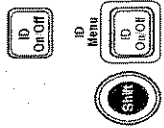
070-8915-00

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Character ID/Cycle Control

Toggles the Character ID message (or ID Cycle) On/Off

Invokes the ID/Cycle menu



Signal Select

Selects and Scrolls among the Color Bar Signals in the active signal set

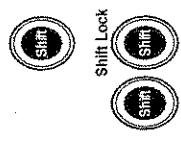
Scrolls/Selects all other Signals



Shift/Shift Lock

Only the next key-press is shifted

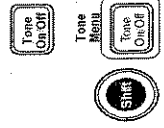
All following keys are shifted (Until Shift is pressed again)



Audio Tone

Toggles Audio Tone On/Off

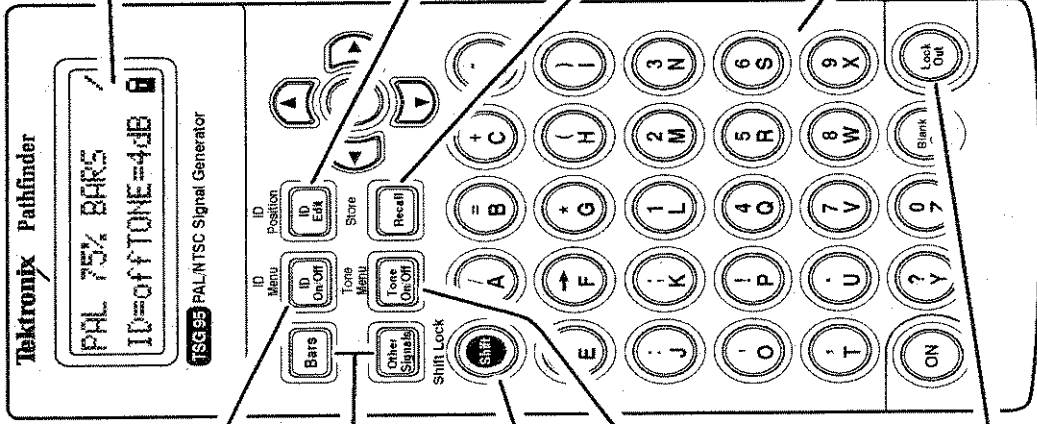
Invokes the Audio Tone menu



Toggles keypad Lock/Unlock (when keypad is locked, only Lock Out and On keys are "active")



WARNING
Do not connect to an elevated chassis. Exposed metal on connectors could present a shock hazard.



Display Symbols

✓ = Auto power-down enabled (symbol "rotates")
Disable through the Configuration menu: see the reverse side of this card for instructions.

⏻ = Shift (Press Shift again to Shift Lock)

⏻ = Shift Lock (Press Shift again to unlock)

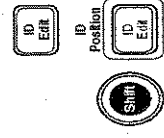
⏻ = Lockout enabled (press Lock Out to unlock)

⏻ = Blank ID Position; will not obscure test signal

ID Edit/Position

To edit the current ID message

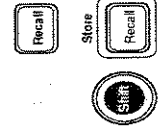
To move the current ID message (with the arrow/cursor keys)



Store/Recall

To recall a stored ID message or user preset

To store an ID message, or save the current settings as a "user preset"



Direct Signal Selection

Letter keys may be used to select signals directly when no menu is active. See the list of available signals on the reverse side of this card.

CAUTION

Use only an appropriately rated DC power source, 9 to 15 VDC. The connector must have the negative contact in the center. Open circuit voltage of the power source must not exceed 18 VDC.

CAUTION

When disposing of batteries, make sure to check your local regulations for special restrictions.

Editing ID messages

Press ID Edit. The current ID will appear on the display.

A **□** symbol indicates a blank; while the active test signal is obscured by a space, it will not be obscured by a blank.

A **■** symbol indicates that this (right-hand) portion of the text line is outside of the safe action area. To enter text in that region, move the ID message to the left (to a lower-numbered H position; see below).

Use the arrow and alphanumeric keys to enter the desired text.

To Set ID position:

To move the current ID message to a different location on the screen or into the vertical interval, first press **Shift**, then **ID Edit**. Then use the cursor (arrow) keys to reposition the message. The vertical interval choice is *above* V=1.

Special Settings

Change the following settings through the Utility menu. Enter the Utility menu by pressing the **On** key while holding the **Lock Out** key down. Then use the **▲** and **▼** keys to scroll to the desired menu item.

Video Standard (SELECT STNDRD)

Use the **◀** and **▶** keys to select among the available video standards and signal sets: PAL, NTSC, NTSC JAPAN, and USER.

User Signal Set (SEL USER SIGS)

Press **Enter** to edit the User Signal Set; see the User manual for details.

Auto Power Down (AUTO PWR DOWN)

Auto Power Down will switch the TSG 95 off after ten minutes without a key press. Use the **◀** and **▶** keys to select between disabled and enabled.

VITS Insertion (VITS SIGNALS)

Use the **◀** and **▶** keys to toggle the VITS (in all test signals) On/Off.

Battery Type

Use the **◀** and **▶** keys to select between disposable (Alkaline) and rechargeable (NiCad) batteries. Select rechargeable when you are using the optional battery pack.

To exit a menu, press any rectangular key or scroll to the "Exit Menu" item and press Enter

Available Signals/Direct Signal Selection

TSG 95 test signals may be selected with **Test Signal** or through "Direct Signal Selection." To select from the list of available signals, press **Test Signal** repeatedly—or press that key once and then use the ▲ and ▼ keys to scroll through the list.

When the instrument is in normal operation and no menu is active, you may also "Direct-Select" the desired signal by pressing the appropriate letter key. The available signals and corresponding keys are listed below.

PAL Signal Set	NTSC Signal Set	NTSC JAPAN Signal Set	Key
75% Bars	SMPTE Bars	SMPTE Bars*	A
100% Bars	75% Bars	75% Bars*	B
75% Bars/Red	Convergence	SNG Bars*	C
100% Bars/Red	Safe Area	Convergence	D
Convergence	Red Field	Safe Area	E
Pluge	50 IRE Flat Field	Red Field*	F
Safe Area	100 IRE Flat Field	50 IRE Flat Field	G
Green Field	Black Burst	100 IRE Flat Field	H
Blue Field	5-Step	Black Burst*	I
Red Field	Multiburst	5-Step	J
100% Flat Field	NTC7 Composite	Multiburst	K
50% Flat Field	NTC7 Combination	NTC7 Composite	L
0% Flat Field	FCC Composite	NTC7 Combination	M
Multiburst	Cable Multiburst	FCC Composite	N
60% Sweep	Cable Sweep	Cable Multiburst	O
5-Step	SIN X/X	Cable Sweep	P
Mod. 5-Step	Matrix	SIN X/X	Q
Matrix	0 IRE, no Burst	Matrix*	R
Field Square Wave	Field Square Wave	0 IRE, no Burst	S
Bounce	Bounce	Field Square Wave	T
—	—	Bounce	U

* No (0%) setup.

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