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

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.

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

<table>
<thead>
<tr>
<th>PAL Signal Set</th>
<th>NTSC Signal Set</th>
<th>NTSC JAPAN Signal Set</th>
<th>Key</th>
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<tbody>
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<td>SMPTE Bars</td>
<td>SMPTE Bars*</td>
<td>A</td>
</tr>
<tr>
<td>100% Bars</td>
<td>75% Bars</td>
<td>75% Bars*</td>
<td>B</td>
</tr>
<tr>
<td>75% Bars/Red</td>
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</tr>
<tr>
<td>100% Bars/Red</td>
<td>Safe Area</td>
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<td>Safe Area*</td>
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</tr>
<tr>
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<td>50 IRE Flat Field</td>
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<td>F</td>
</tr>
<tr>
<td>Safe Area</td>
<td>100 IRE Flat Field</td>
<td>50 IRE Flat Field</td>
<td>G</td>
</tr>
<tr>
<td>Green Field</td>
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<td>Black Burst*</td>
<td>I</td>
</tr>
<tr>
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<td>J</td>
</tr>
<tr>
<td>100% Flat Field</td>
<td>NTC7 Composite</td>
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</tr>
<tr>
<td>50% Flat Field</td>
<td>NTC7 Combination</td>
<td>NTC7 Composite</td>
<td>L</td>
</tr>
<tr>
<td>0% Flat Field</td>
<td>FCC Composite</td>
<td>NTC7 Combination</td>
<td>M</td>
</tr>
<tr>
<td>Multiburst</td>
<td>Cable Multiburst</td>
<td>FCC Composite</td>
<td>N</td>
</tr>
<tr>
<td>60% Sweep</td>
<td>Cable Sweep</td>
<td>Cable Multiburst</td>
<td>O</td>
</tr>
<tr>
<td>5-Step</td>
<td>SIN XX</td>
<td>Cable Sweep</td>
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</tr>
<tr>
<td>Mod. 5-Step</td>
<td>Matrix</td>
<td>SIN XX</td>
<td>Q</td>
</tr>
<tr>
<td>Matrix</td>
<td>0 IRE, no Burst</td>
<td>Matrix*</td>
<td>R</td>
</tr>
<tr>
<td>Field Square Wave</td>
<td>Field Square Wave</td>
<td>0 IRE, no Burst</td>
<td>S</td>
</tr>
<tr>
<td>Bounce</td>
<td>Bounce</td>
<td>Field Square Wave</td>
<td>T</td>
</tr>
</tbody>
</table>

* No (0%) setup.

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