VGA Portable Video Test Pattern Signal Generator

VGPATTERN / VGAPATTERNGNB / VGAPATTERNEU

*actual product may vary from photos

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FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

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Introduction

The VGAPATTERN VGA Portable Video Signal Generator lets you quickly test VGA-capable displays, making it easier to diagnose and troubleshoot video calibration issues. The device can be powered by either the included AC adapter or a 9V battery, offering a conveniently portable solution for mobile installers and technicians.

The video signal generator features 8 built-in video test patterns, including both HD video test patterns and standard definition patterns, allowing you to quickly analyze color performance and linearity issues.

Delivering a cost-effective way to test a VGA display, the pattern generator is an ideal solution for AV install experts/integrators or digital signage installers looking to save time and solve problems with a VGA display.

Packaging Contents

- 1 x VGA pattern generator
- 1 x VGA cable (1.2m)
- 1 x Power Adapter
- 1 x 9V Battery
- 1 x Instruction Manual

System Requirements

- VGA enabled display device (i.e. monitor, projector, HDTV, etc)
- Available AC power outlet or 9V battery
Front View

- Video Resolution Switch
- Test Pattern Selection Button
- Power/Battery Status LED
- Power Switch
- DC Power connector

Top View

- DE-15 VGA connector (output)
Installation

Hardware Installation

1. The video generator can be powered either by external power adapter or a 9V battery. To access the battery compartment, flip the unit over and on the bottom side, will be the battery door. Push in the small tab that secures the door and lift the door away from the unit.

2. Set the Video Resolution Switch to the desired output resolution for the display device (i.e. monitor, HDTV, etc) you wish to calibrate/test.

<table>
<thead>
<tr>
<th>Switch Setting</th>
<th>Refresh Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1920 x 1080</td>
<td>60Hz</td>
</tr>
<tr>
<td>1680 x 1050</td>
<td>60Hz</td>
</tr>
<tr>
<td>1600 x 1200</td>
<td>60Hz</td>
</tr>
<tr>
<td>1440 x 900</td>
<td>60Hz</td>
</tr>
<tr>
<td>1280 x 720</td>
<td>60Hz</td>
</tr>
<tr>
<td>1024 x 768</td>
<td>60Hz</td>
</tr>
<tr>
<td>800 x 600</td>
<td>60Hz</td>
</tr>
</tbody>
</table>

3. Connect the video generator to the display device using a VGA cable.

4. Set the Power Switch to the ON position, and the Power LED should light up solid. If using battery power, then the battery becomes low, the LED will start to flash.

5. The current test pattern should be display on the display device. Pressing the Test Pattern Selection Button will toggle through each of the available test patterns.
Test Patterns
## Specifications

<table>
<thead>
<tr>
<th>Video Signal</th>
<th>VGA (RGBHV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connectors</td>
<td>1 x DE-15 VGA female&lt;br&gt;1 x DC Power</td>
</tr>
<tr>
<td>LEDs</td>
<td>1 x Power/Battery Status</td>
</tr>
<tr>
<td></td>
<td>1920 x 1080 (60Hz),&lt;br&gt;1680 x 1050 (60Hz),&lt;br&gt;1600 x 1200 (60Hz),&lt;br&gt;1440 x 900 (60Hz),&lt;br&gt;1280 x 720 (60Hz),&lt;br&gt;1024 x 768 (60Hz),&lt;br&gt;800 x 600 (60Hz)</td>
</tr>
<tr>
<td>Video Resolution Support</td>
<td></td>
</tr>
<tr>
<td>Number of Test Patterns</td>
<td>8</td>
</tr>
<tr>
<td>Enclosure Material</td>
<td>Plastic</td>
</tr>
<tr>
<td>Power Source</td>
<td>9V battery&lt;br&gt;9VDC, 600mA power adapter</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0°C ~ 70°C (32°F ~ 158°F)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-20°C ~ 85°C (-4°F ~ 185°F)</td>
</tr>
<tr>
<td>Humidity</td>
<td>0% ~ 95%</td>
</tr>
<tr>
<td>Dimensions</td>
<td>132.0mm x 87.0mm x 28.0mm</td>
</tr>
<tr>
<td>Weight</td>
<td>150 g</td>
</tr>
</tbody>
</table>
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Warranty Information

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