Key Benefits

- Proactively monitor broadband networks; detect events before customers are impacted
- 24/7/365 monitoring system notifies the system administrator when an out-of-spec event occurs
- Reduce OPEX by analyzing multiple return and forward paths simultaneously
- Monitor the entire network in real time

Overview

The NA7600 Series Vector Network Analyzer answers consumer feedback with the latest advances in international test and measurement development. Deviser’s newest 4th-generation 2-port network analyzer boasts frequencies spanning from 100kHz to 8.5 GHz, covering the entire wireless LAN communications range - as well as radio and television.

It also features full 2-port S-parameter testing, superior measurement accuracy, and excellent stability and test speed. The NA7600 Series is ideal for verifying RF components for R&D in any field: communications, military, semiconductor manufacturing, broadcast TV, research & education, and more.

Model Guide

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency Range</th>
<th>Impedance</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA7612A</td>
<td>100kHz ~ 1.6 GHz</td>
<td>50Ω</td>
</tr>
<tr>
<td>NA7612B</td>
<td>100kHz ~ 1.6 GHz</td>
<td>75Ω</td>
</tr>
<tr>
<td>NA7632A</td>
<td>100kHz ~ 3.0 GHz</td>
<td>50Ω</td>
</tr>
<tr>
<td>NA7632B</td>
<td>100kHz ~ 3.0 GHz</td>
<td>75Ω</td>
</tr>
<tr>
<td>NA7642A</td>
<td>100kHz ~ 4.5 GHz</td>
<td>50Ω</td>
</tr>
<tr>
<td>NA7662A</td>
<td>100kHz ~ 6.0 GHz</td>
<td>50Ω</td>
</tr>
<tr>
<td>NA7682A</td>
<td>100kHz ~ 8.5 GHz</td>
<td>50Ω</td>
</tr>
</tbody>
</table>
NA7600 Series Vector Network Analyzer

Specifications

**EMC Compliance**
- **RF emissions**: EN61326-1:2013; CISPR-11:2009; CISPR 16-1 series; Group 1, Class A
- **Anti-interference level**: EN61326-2:2013; EN61326-2-1:2013
- **Electrostatic discharge**: IEC 61000-4-2:2008; ±4kV CD / ±8kV AD
- **RF electromagnetic field**: IEC 61000-4-3:2006+A1+A2
  - 3 V/m (80 MHz ~ 1 GHz); 3 V/m (1.4 GHz ~ 2 GHz);
  - 1 V/m (2 GHz ~ 2.7 GHz)
- **Safety**: IEC 61010-1:2010 / EN 61010-1:2010

**Hardware & Connectivity**

**Front Panel**
- Display: 12.1”, 1280 x 800 TFT touchscreen
- **RF port**: Type-N (f), 50Ω
- **USB port**: 2x USB 2.0, Type-A

**Rear Panel**
- **External trigger input**
  - Port type: Type-BNC (f)
  - Input level: 0.5 V (low threshold); 2.1 V (high threshold)
- **External reference input**
  - Port type: Type-BNC (f)
  - Input freq.: 10 MHz ± 10ppm
  - Input level: -3 ~ +10 dBm
- **Internal reference output**
  - Port type: Type-BNC (f)
  - Output freq.: 10 MHz ± 1ppm
  - Signal type: Sine wave
  - Output level: 0dBm ± 3dB
  - Impedance: 50Ω
- **Video output**: 15-pin D-SUB; VGA
- **GPIB interface**: 24-pin D-SUB (type D-24) (f); compatible w/ IEEE488
- **USB port**: 1x USB 3.0, Type-A; 3x USB 2.0, Type-A
- **LAN port**: 2x RJ45, 10/100/1000 BaseT
- **Parallel port**: 25-pin D-SUB; LPT, print
- **Serial port**: 9-pin D-SUB; compatible / IRS232
- **Power supply**: 50/60 Hz; 90 ~ 260 VAC; maximum 150 VA

**General**

- **Operating environment**
  - Temperature: -5 ~ +40°C (30% ~ 80% humidity)
  - Altitude: 0 ~ 2000m
  - Vibration: IEC 60068-2-3; maximum 0.21G, 5 ~ 500 Hz
  - Calib. temp: 23°C ± 5°C
- **Storage environment**
  - Temperature: -10 ~ +60°C (20% ~ 90% humidity)
  - Altitude: 0 ~ 4572m
  - Vibration: IEC 60068-2-4; maximum 0.5g, 5 ~ 500 Hz
  - Impact: IEC 60068-2-27, maximum 40g
- **Dimensions (WxHxD)**: 17.5” x 10.4” x 13.0” (445mm x 265mm x 330mm)
- **Weight**: ~24.2 lbs (11kg)

**Miscellaneous**

- **Over voltage category**: OVC II
- **Pollution degree**: PD 2
- **Ingress protection (IP)**: IP 20
- **Other notes**: For indoor use; do not operate in damp conditions

©2018 Deviser Instruments Incorporated. 780 Montague Expressway, Suite 701, San Jose, CA 95131. All rights reserved. Specifications subject to change without notice. All product and company names are trademarks of their respective corporations. Deviser Instruments manufacturing facilities are ISO 9001 certified. Do not reproduce, redistribute, or repost without written permission from Deviser Instruments.