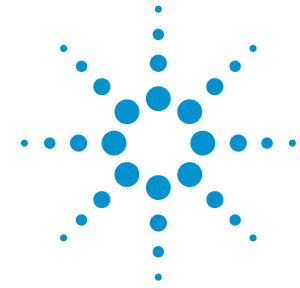


## Quick Fact Sheet

# Agilent U8903A Audio Analyzer

## Make an audible difference in analog and digital audio testing

Now, with a two-in-one digital audio interface card that provides AES3/SPDIF and Digital Serial Interface (DSI) digital audio formats, Agilent U8903A offers you the flexibility to measure and quantify both analog and digital audio performance in applications such as analog and digital IC components and module design, wireless audio and consumer audio.

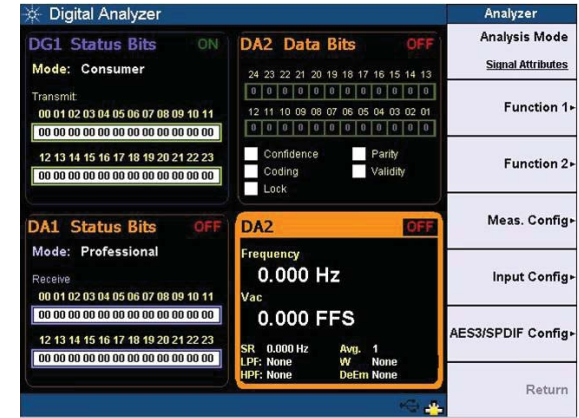


### Easily perform manual and automated tests

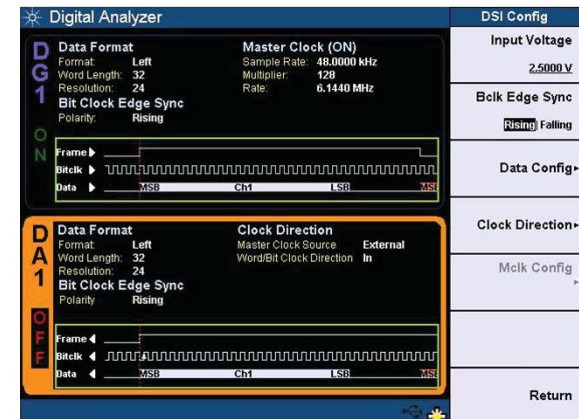
- Measure a variety of applications with a wide logic level input range of 1.2 V to 3.3 V
- View up to four channels simultaneously on the U8903A's 5.7-inch color display
- Access four main operating modes - generator, analyzer, graph and sweep - through the front panel soft keys

### Cover your application needs with multiple digital audio interface options

- Test digital audio related ICs with AES3/SPDIF and DSI digital audio formats
- Verify digital audio designs with multiple DSI formats: I<sup>2</sup>S, Left Justified, Right Justified and DSP



View up to four channels – two for analog, two for digital – at the same time



The new digital audio interface options offer AES3/SPDIF and DSI standard digital audio formats



## Quick Fact Sheet

# Agilent U8903A Audio Analyzer

### Key Specifications (Digital Audio)

| Formats                 |              |  |
|-------------------------|--------------|--|
| AES3/SPDIF              |              | Consumer or professional                               |
| DSI                     |              | I <sup>2</sup> S, Left Justified, Right Justified, DSP |
| Generator               |              |  |
| Audio bit               | Both formats | 8 bit to 24 bit  |
| Output sampling rate    | AES3/SPDIF   | 28 kHz to 205 kHz                                      |
|                         | DSI          | 6.75 kHz to 400 kHz                                    |
| Input/output level      | Balanced     | 0.3 V <sub>pp</sub> to 5.1 V <sub>pp</sub>             |
|                         | Unbalanced   | 0.3 V <sub>pp</sub> to 2.5 V <sub>pp</sub>             |
| Logic level input (DSI) |              | 1.2 V to 3.3 V   |
| Analyzer                |              |  |
| Analyzer frequency      |              | 5 Hz to 0.45 Fs  |
| Frequency accuracy      |              | ±5 ppm (10 Hz to 0.45 Fs)                              |
| Level range             | AC           | < -120 dBFS to 0 dBFS                                  |
|                         | DC           | ±1 FFS   |

#### Recommended service options

Additional two years of Return-to-Agilent warranty  
Additional two years of Return-to-Agilent calibrations

For more information go to [www.agilent.com/find/removealldoubt](http://www.agilent.com/find/removealldoubt)

### Ordering Information

| Model number  | Description  |
|---|--|
| U8903A-200  | Analog audio analyzer, two channels  |
| Standard-shipped accessories  |  |
| LAN and USB cables  |  |
| Power cord  |  |
| Agilent U8903A audio analyzer Quick Start Guide                                     |  |
| Agilent U8903A audio analyzer Product Reference CD-ROM (contains U8903A User Guide) |  |
| USB flash storage device  |  |
| Certificate of calibration  |  |
| Digital audio interface options   |  |
| U8903A-113  | Two channels Analog Audio Analyzer, with AES3/SPDIF and DSI digital audio interfaces |
| U8903A-114  | Two channels Analog Audio Analyzer, with AES3/SPDIF digital audio interfaces         |
| U8903A-115  | Two channels Analog Audio Analyzer, with DSI digital audio interfaces                |
| Optional accessories  |  |
| U8903A-101  | Male BNC to male BNC cable; 1.2 m  |
| U8903A-102  | Male BNC to male RCA cable; 2 m  |
| U8903A-103  | Male XLR to female XLR cable; 2 m  |
| U8903A-908  | Rack mount kit – standard 3U   |
| U8903A-105  | Digital serial interface cable   |
| Warranty and service  |  |
| U8903A-1A7  | ISO17025 compliant calibration with test data  |
| U8903A-A6J  | ANSI Z540 compliant calibration with test data                                       |
| R-50C-011-3   | Agilent calibration – 3 years  |
| R-50C-011-5   | Agilent calibration – 5 years  |
| R-51B-001-3C  | Return to Agilent Warranty – 3 years   |
| R-51B-001-5C  | Return to Agilent Warranty – 5 years   |

