

R&S® FS-SNS26/40/55 Smart Noise Source Manual



1338805002

1 About the R&S®FS-SNS Smart Noise Sources

The R&S®FS-SNS smart noise sources are especially designed for Rohde & Schwarz signal and spectrum analyzer families.

This manual applies to the following devices:

- R&S FS-SNS26 (1338.8008.26)
- R&S FS-SNS40 (1338.8008.40)
- R&S FS-SNS55 (1338.8008.55)

You no longer have to enter complex ENR tables into the analyzer, or load them manually via USB stick, thus avoiding errors due to wrong or incomplete tables. The temperature is set automatically according to internal measurement. Uncertainty calculations are done automatically and can even be displayed in the result screen.

Key features

- Frequency range up to 26.5 GHz, 40 GHz or 55 GHz
- ENR table automatically loaded
- Automatic uncertainty calculation using ENR uncertainty and reflection coefficients table
- Improved accuracy due to temperature setting

1.1 For Your Safety

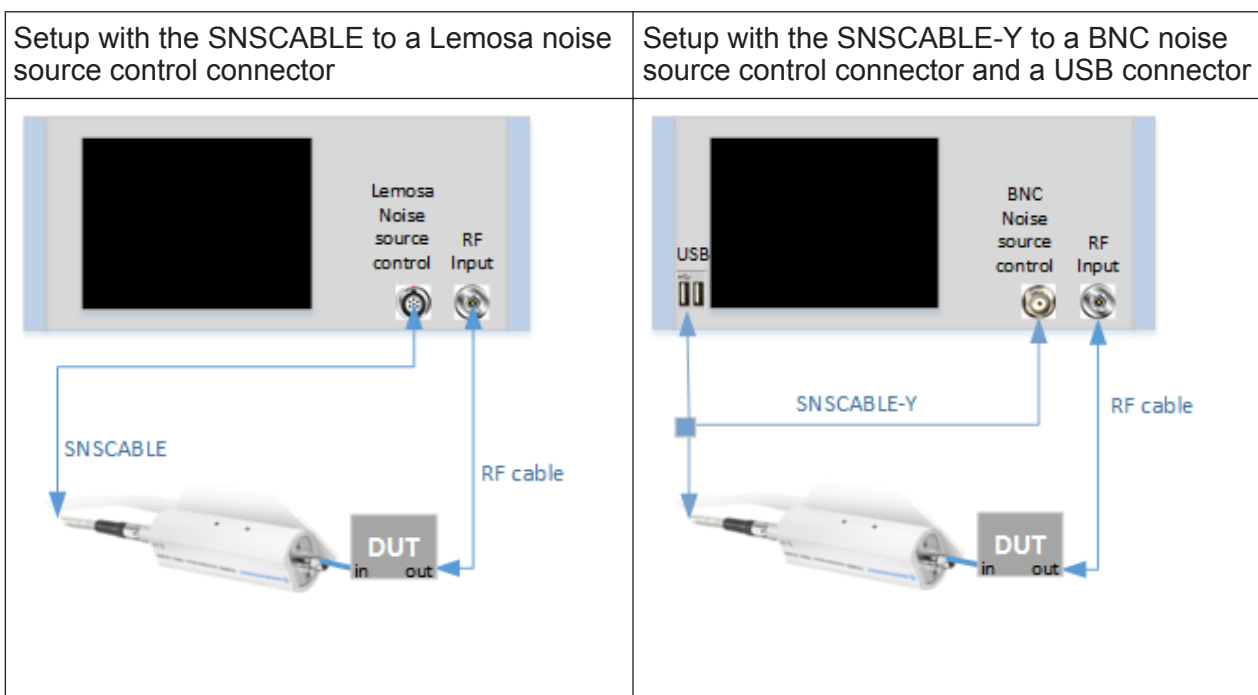
The R&S®FS-SNS is designated for use in industrial, administrative, and laboratory environments. Use the R&S®FS-SNS only for its designated purpose. Observe the safety and usage instructions documented in this manual, as well as operating conditions and performance limits stated in the data sheet. The product documentation helps you use the R&S®FS-SNS safely and efficiently. Keep the product documentation in a safe place and pass it on to subsequent users.


- Before use, inspect the RF and interface connectors of the R&S®FS-SNS for damage. If there is any damage, contact Rohde & Schwarz for repair.

- Before use, inspect the R&S®SNSCABLE and R&S®SNSCABLE-Y cables for damage. If there is any damage, contact Rohde & Schwarz for repair.
- Always use an appropriate torque wrench when connecting the R&S®FS-SNS cables to an instrument to avoid excessive force.
- Ensure the instrument that you want to connect the R&S®FS-SNS to has an appropriate RF input connector.
 - R&S®FS-SNS26: APC 3.5 mm male (compatible with SMA)
 - R&S®FS-SNS40: 2.92 mm male (compatible with SMA)
 - R&S®FS-SNS55: 1.85 mm male (compatible with 2.4 mm)

2 Measurement Setup

Depending on the available connector types on the analyzer, connect the R&S®FS-SNS to the instrument as described below.



 The identification and setup procedure after connecting the FS-SNS may take up to 10 seconds.

3 Spare Parts

Article	Order number
DX SNSCABLE	1338.8020.00
DX SNSCABLE-Y	1338.8066.00

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