



RIGOL

# DNA800 Series

Vector Network Analyzer

Data Sheet  
DSR04100-1110  
2026.06

# Product Features

- Frequency Range: 5 kHz to 14 GHz
- Number of Ports: 2
- Frequency resolution 1 Hz
- Max. output power 10 dBm
- High dynamic range: 125 dB (typ.)
- Trace noise: 0.005 dB<sub>rms</sub>
- IF BW: 1 Hz to 3 MHz
- Compatible with the mechanical calibration kit and the Ecal electronic calibration kit, supporting various calibration types (SOLT, Response Short, Response Open, OSL, Enhanced Response 1 to 2, Response Through)
- Integrates S-parameters, impedance, VSWR, TDA, fixture embedding/de-embedding, antenna test, and etc.
- Portable handle and lightweight design, compact size (265.35 mm × 161.75 mm × 77.38 mm) and weight of 1.9 kg
- 7-inch 1024×600 HD touch screen
- Supports LAN, USB Device, USB Host, HDMI interfaces
- Supports standard SCPI instruction sets
- Supports Web Control for remote operation
- Supports both physical key operation and touch screen operation; allowing you to use externally connected keyboard and mouse to input values

The DNA800 series vector network analyzer provides various calibration methods such as frequency response, single-port, response isolation, enhanced response, full dual-port, and electronic calibration. It supports display formats including log magnitude, linear magnitude, SWR, phase, group delay, Smith chart, and polar chart. Through USB, LAN, and HDMI interfaces, it accurately measures amplitude/frequency, phase/frequency, and group delay characteristics of microwave networks.

While maintaining high-end characteristics in specifications, appearance, display, and software interface, the DNA800 series features compact size, light weight, and low noise for a better user experience. It is widely used in electronics, communications, and microwave fields for R&D and production.

# Specifications

Specifications are valid under the following conditions: the instrument is within the calibration period; stored for at least two hours at 0°C to 40°C temperature; 60-minute warm-up. Unless otherwise noted, the specifications in the manual include the measurement uncertainty.

- **Typical (typ.):** typical performance, which 80 percent of the measurement results will meet at room temperature (approximately 25°C). The data are not warranted and do not include the measurement uncertainty.
- **Nominal (nom.):** the expected mean or average performance or a designed attribute (such as the 50Ω connector). The data are not warranted and are measured at room temperature (approximately 25°C).
- **Measured (meas.):** an attribute measured during the design phase which can be compared to the expected performance, e.g. the amplitude drift varies with time. The data are not warranted and are measured at room temperature (approximately 25°C).
- **Specification:** guaranteed performance. The Specification includes the limit conditions, which are applicable to all the specifications and characteristics at room temperature (approximately 25°C), unless otherwise noted.

## NOTE:

All charts in this manual are the measurement results of multiple instruments at room temperature unless otherwise noted.

## Product Model

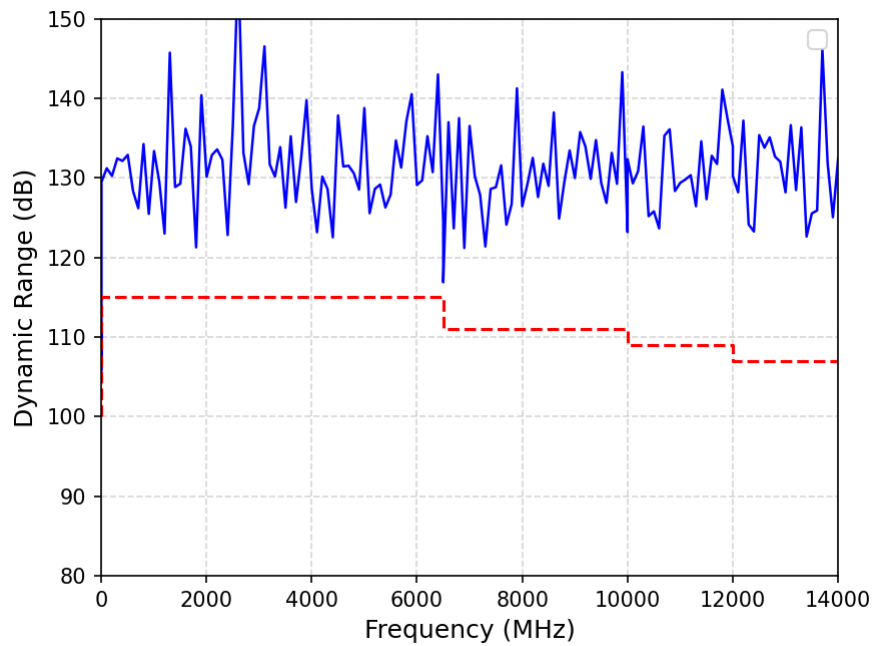
| Model  | Frequency        | Number of Ports |
|--------|------------------|-----------------|
| DNA804 | 5 kHz to 4.5 GHz | 2               |
| DNA808 | 5 kHz to 8.5 GHz | 2               |
| DNA814 | 5 kHz to 14 GHz  | 2               |

## Dynamic Range

Measurement condition: 10 Hz IF BW; ambient temperature: 23°C (±3°C), deviation from the calibration temperature less than 1°C Sys

| System Dynamic Range <sup>[1]</sup> |               |         |
|-------------------------------------|---------------|---------|
| Frequency Range                     | Specification | Typical |
| 100 kHz to 10 MHz                   | 100 dB        | 110 dB  |
| 10 MHz to 6.5 GHz                   | 115 dB        | 125 dB  |
| 6.5 GHz to 10 GHz                   | 111 dB        | 121 dB  |
| 10 GHz to 12 GHz                    | 109 dB        | 119 dB  |
| 12 GHz to 14 GHz                    | 107 dB        | 117 dB  |

[1] System Dynamic Range = Actual Maximum Power - Receiver Noise Floor at 10 Hz IF BW



## System Performance after Error Correction (Calibration)

### Calibration Error with Mechanical Calibration Kit ECAL100/200<sup>[1]</sup>

| Frequency Range    | Directivity | Load Match | Source Match | Transmission Tracking | Reflection Tracking |
|--------------------|-------------|------------|--------------|-----------------------|---------------------|
| 5 kHz to 100 kHz   | 46 dB       | 35 dB      | 30 dB        | ±0.30 dB              | ±0.30 dB            |
| 100 kHz to 10 MHz  | 55 dB       | 48 dB      | 45 dB        | ±0.06 dB              | ±0.08 dB            |
| 10 MHz to 4.5 GHz  | 50 dB       | 42 dB      | 38 dB        | ±0.10 dB              | ±0.08 dB            |
| 4.5 GHz to 8.5 GHz | 42 dB       | 35 dB      | 30 dB        | ±0.15 dB              | ±0.10 dB            |
| 8.5 GHz to 14 GHz  | 40 dB       | 32 dB      | 30 dB        | ±0.18 dB              | ±0.10 dB            |

### Calibration Error with Mechanical Calibration Kit ECAL300/400<sup>[1]</sup>

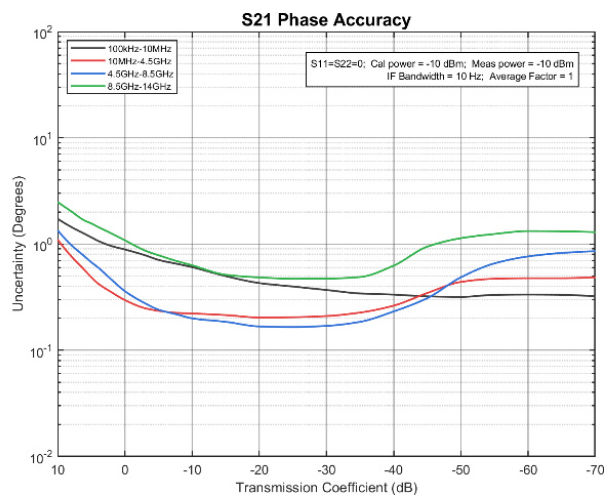
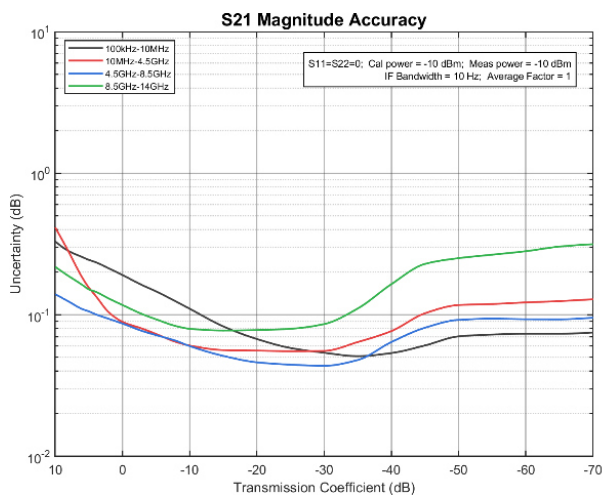
| Frequency Range    | Directivity | Load Match | Source Match | Transmission Tracking | Reflection Tracking |
|--------------------|-------------|------------|--------------|-----------------------|---------------------|
| 5 kHz to 100 kHz   | 35 dB       | 30 dB      | 28 dB        | ±0.30 dB              | ±0.30 dB            |
| 100 kHz to 10 MHz  | 55 dB       | 45 dB      | 42 dB        | ±0.06 dB              | ±0.10 dB            |
| 10 MHz to 4.5 GHz  | 50 dB       | 42 dB      | 35 dB        | ±0.15 dB              | ±0.10 dB            |
| 4.5 GHz to 8.5 GHz | 42 dB       | 35 dB      | 30 dB        | ±0.18 dB              | ±0.15 dB            |
| 8.5 GHz to 14 GHz  | 40 dB       | 30 dB      | 30 dB        | ±0.22 dB              | ±0.15 dB            |

## Calibration Error with Mechanical Calibration Kit 85054D [1]

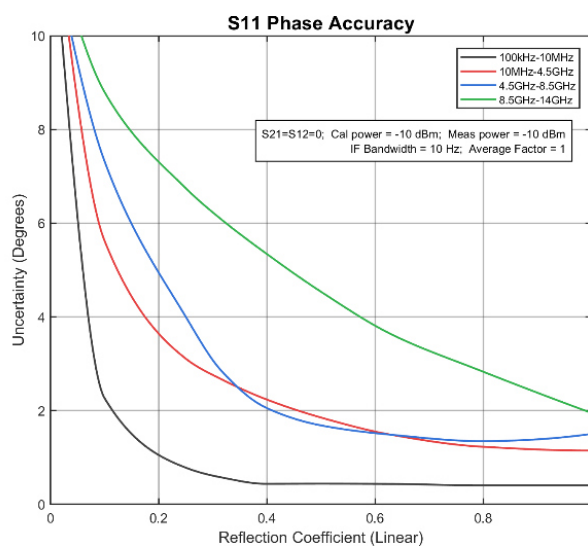
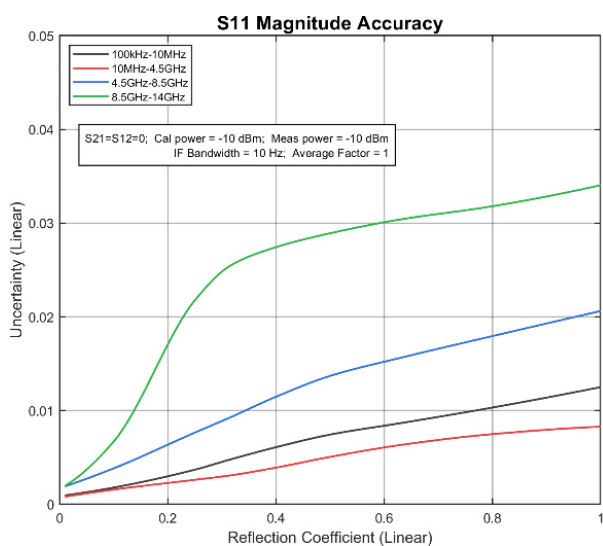
| Frequency Range    | Directivity | Load Match | Source Match | Transmission Tracking | Reflection Tracking |
|--------------------|-------------|------------|--------------|-----------------------|---------------------|
| 5 kHz to 100 kHz   | 35 dB       | 30 dB      | 25 dB        | ±0.30 dB              | ±0.30 dB            |
| 100 kHz to 10 MHz  | 55 dB       | 50 dB      | 48 dB        | ±0.02 dB              | ±0.04 dB            |
| 10 MHz to 4.5 GHz  | 50 dB       | 45 dB      | 38 dB        | ±0.02 dB              | ±0.04 dB            |
| 4.5 GHz to 8.5 GHz | 42 dB       | 37 dB      | 34 dB        | ±0.02 dB              | ±0.04 dB            |
| 8.5 GHz to 14 GHz  | 40 dB       | 35 dB      | 34 dB        | ±0.02 dB              | ±0.08 dB            |

[1] Measurement condition: 10 Hz IF BW; data not averaged; ambient temperature: 23°C (±3°C), deviation from the calibration temperature less than 1°C.

## Transmission Uncertainty (Amplitude and Phase)



## Reflection Uncertainty (Amplitude and Phase)



## System Performance Without Error Correction/Calibration

| Uncorrected Error (Specification) |             |            |              |                       |                     |
|-----------------------------------|-------------|------------|--------------|-----------------------|---------------------|
| Frequency Range                   | Directivity | Load Match | Source Match | Transmission Tracking | Reflection Tracking |
| 5 kHz to 100 kHz                  | 20 dB       | 12 dB      | 20 dB        | ±1.5 dB               | ±1.5 dB             |
| 100 kHz to 10 MHz                 | 25 dB       | 15 dB      | 25 dB        | ±1.5 dB               | ±1.5 dB             |
| 10 MHz to 4.5 GHz                 | 25 dB       | 15 dB      | 25 dB        | ±1.5 dB               | ±1.5 dB             |
| 4.5 GHz to 8.5 GHz                | 25 dB       | 15 dB      | 25 dB        | ±1.5 dB               | ±1.5 dB             |
| 8.5 GHz to 14 GHz                 | 25 dB       | 15 dB      | 25 dB        | ±1.5 dB               | ±1.5 dB             |

## Test Port Output

### Frequency Characteristics

| Frequency Characteristics    |                                                  |
|------------------------------|--------------------------------------------------|
| Aging Rate                   | <1 ppm/year                                      |
| Temperature Stability        | <0.5 ppm<br>0°C to 40°C, with the reference 25°C |
| Initial Calibration Accuracy | 1 ppm                                            |
| Frequency Resolution         | 1 Hz                                             |
| Sweep Points                 | 1 to 100,001                                     |
| IF BW Range                  | 1 Hz to 3 MHz                                    |

### Max. Output Power

| Max. Output Power |        |
|-------------------|--------|
| 5 kHz to 100 kHz  | 0 dBm  |
| 100 kHz to 10 MHz | 5 dBm  |
| 10 MHz to 6.5 GHz | 10 dBm |
| 6.5 GHz to 10 GHz | 6 dBm  |
| 10 GHz to 12 GHz  | 4 dBm  |
| 12 GHz to 14 GHz  | 2 dBm  |

### Power Sweep Range

| Power Sweep Range |                   |
|-------------------|-------------------|
| 5 kHz to 100 kHz  | -40 dBm to 0 dBm  |
| 100 kHz to 10 MHz | -40 dBm to 5 dBm  |
| 10 MHz to 6.5 GHz | -40 dBm to 10 dBm |
| 6.5 GHz to 10 GHz | -40 dBm to 6 dBm  |
| 10 GHz to 12 GHz  | -40 dBm to 4 dBm  |
| 12 GHz to 14 GHz  | -40 dBm to 2 dBm  |

## Power Level Accuracy

| Power Level Accuracy |               |         |
|----------------------|---------------|---------|
| Frequency Range      | Specification | Typical |
| 100 kHz to 100 MHz   | ±1.0 dB       | ±0.6 dB |
| 100 MHz to 8.5 GHz   | ±1.0 dB       | ±0.6 dB |
| 8.5 GHz to 14 GHz    | ±1.0 dB       | ±0.6 dB |

## Power linearity

| Power linearity <sup>[1]</sup> |         |
|--------------------------------|---------|
| 100 kHz to 100 MHz             | ±0.6 dB |
| 100 MHz to 8.5 GHz             | ±0.6 dB |
| 8.5 GHz to 14 GHz              | ±0.6 dB |

[1] Power linearity is specified relative to -5 dBm in swept mode:  $-25 \text{ dBm} \leq \text{power} \leq 0 \text{ dBm}$ .

## Power Characteristics

| Power Characteristics   |         |
|-------------------------|---------|
| Power Resolution        | 0.01 dB |
| Maximum Available Power | 10 dBm  |
| Minimum Available Power | -40 dBm |

## Harmonics & spurious

| Harmonics & Spurious <sup>[1]</sup> |         |
|-------------------------------------|---------|
| Second Harmonics                    |         |
| 100 kHz to 4.5 GHz                  | -20 dBc |
| 4.5 GHz to 8.5 GHz                  | -20 dBc |
| 8.5 GHz to 14 GHz                   | -35 dBc |
| 3rd harmonic & sub-harmonic         |         |
| 100 kHz to 4.5 GHz                  | -30 dBc |
| 4.5 GHz to 8.5 GHz                  | -40 dBc |
| 8.5 GHz to 14 GHz                   | -35 dBc |
| Spurious (non-harmonics)            |         |
| 100 kHz to 4.5 GHz                  | -40 dBc |
| 4.5 GHz to 8.5 GHz                  | -40 dBc |
| 8.5 GHz to 14 GHz                   | -40 dBc |

[1] frequency listed is the harmonic frequency, measured at 0 dBm.

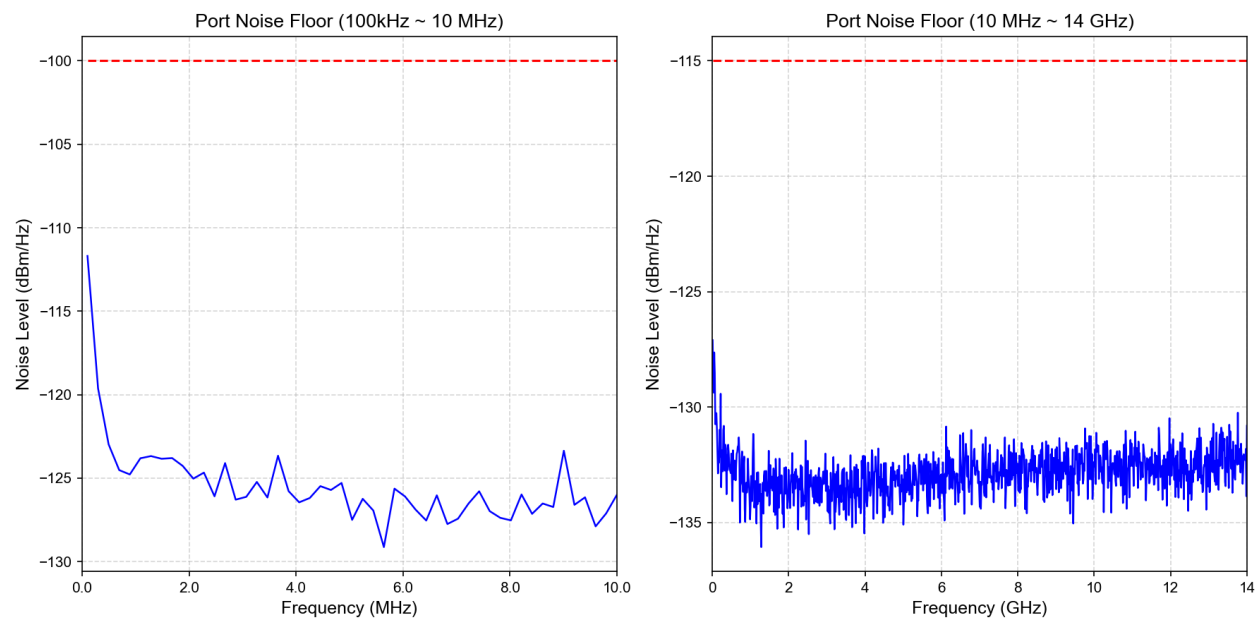
# Test Port Input

## Noise floor

### Test Port Noise Floor<sup>[1]</sup>

| Frequency Range   | Specification | Typical  |
|-------------------|---------------|----------|
| 100 kHz to 10 MHz | -100 dBm      | -110 dBm |
| 10 MHz to 14 GHz  | -115 dBm      | -120 dBm |

[1] Noise Power is defined as the RMS value of the test transmission coefficient at 10 kHz IF BW, and normalized to 1 Hz.

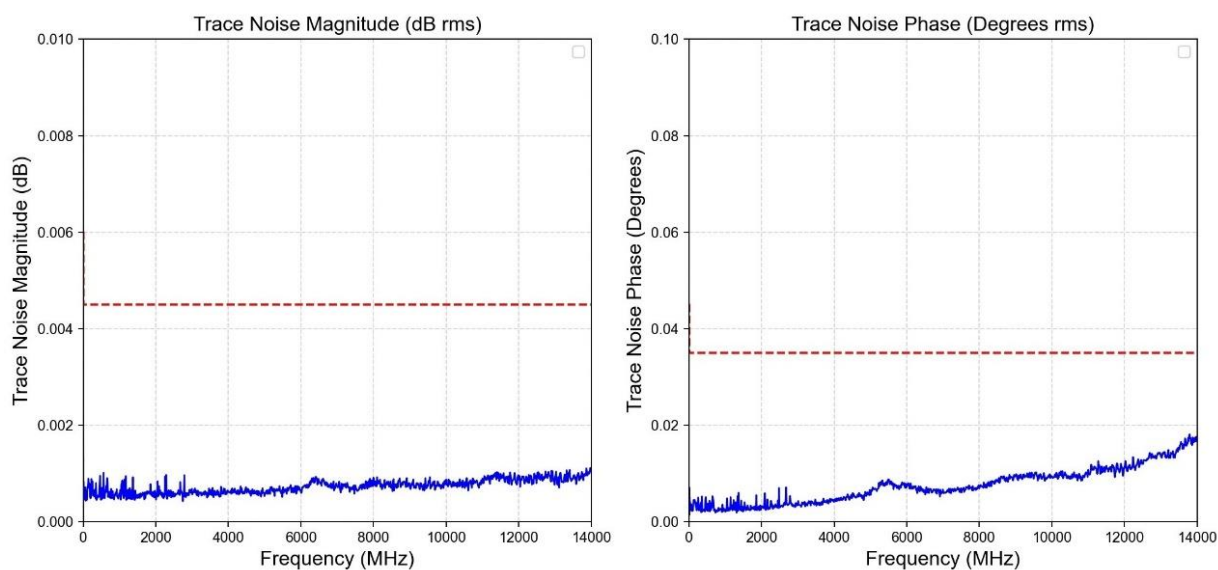


## Trace noise

### Trace Noise<sup>[1]</sup>

| Frequency Range   | Magnitude               |                          | Phase                       |                             |
|-------------------|-------------------------|--------------------------|-----------------------------|-----------------------------|
|                   | Specification           | Typical                  | Specification               | Typical                     |
| 100 kHz to 10 MHz | 0.006 dB <sub>rms</sub> | 0.003 dB <sub>rms</sub>  | 0.045 degree <sub>rms</sub> | 0.025 degree <sub>rms</sub> |
| 10 MHz to 14 GHz  | 0.005 dB <sub>rms</sub> | 0.0015 dB <sub>rms</sub> | 0.035 degree <sub>rms</sub> | 0.02 degree <sub>rms</sub>  |

[1] Measured at default power-on level. Trace noise for transmission/reflection: IF bandwidth 1 kHz for signals < 10 MHz; 10 kHz for signals ≥ 10 MHz.



## Temperature stability

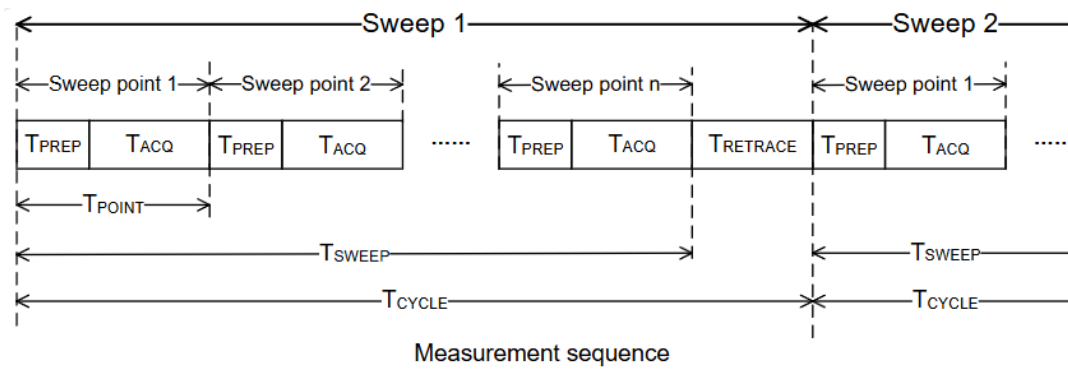
| Temperature Stability (Typical) |            |                |
|---------------------------------|------------|----------------|
| Frequency Range                 | Magnitude  | Phase          |
| 5 kHz to 100 kHz                | 0.03 dB/°C | 0.2 degree/°C  |
| 100 kHz to 4.5 GHz              | 0.02 dB/°C | 0.1 degree/°C  |
| 4.5 GHz to 14 GHz               | 0.03 dB/°C | 0.35 degree/°C |

## Damage Input Level

| Damage Input Level |                         |
|--------------------|-------------------------|
| Damage Input Level | +25 dBm or $\pm 35$ VDC |

## Meas Time

| Sweep time (1 GHz center frequency, 200 MHz span, 201 sweep points, measurement parameter S11) |         |              |
|------------------------------------------------------------------------------------------------|---------|--------------|
|                                                                                                | IFBW    | Time         |
| Time per sweep (TSWEEP)                                                                        | 1 MHz   | 11.20 ms     |
|                                                                                                | 500 kHz | 11.25 ms     |
| Sweep cycle time (TCYCLE)                                                                      | 1 MHz   | 11.20 ms     |
|                                                                                                | 500 kHz | 11.25 ms     |
| Preparation time per point (TPREP)                                                             | /       | 50 $\mu$ s   |
| Acquisition time per point (TACQ)                                                              | 1 MHz   | 3.5 $\mu$ s  |
|                                                                                                | 500 kHz | 5.3 $\mu$ s  |
| Total time per point (TPOINT)                                                                  | 1 MHz   | 53.5 $\mu$ s |
|                                                                                                | 500 kHz | 55.3 $\mu$ s |



- $T_{SWEEP}$ : Time required for one sweep
- $T_{CYCLE}$ : Sweep cycle time ( $T_{CYCLE} = T_{SWEEP} + T_{RETRACE}$ )
- $T_{PREP}$ : Preparation time required to set up the internal hardware components
- $T_{ACQ}$ : Data acquisition time ( $T_{ACQ} = \text{Filter settling time} + \text{Detector time}$ )
- $T_{POINT}$ : Total time for one sweep point
- $T_{RETRACE}$ : Time between two sweeps

| Sweep time        |                       |         |            |            |             |
|-------------------|-----------------------|---------|------------|------------|-------------|
| Frequency Range   |                       | IFBW    | 201 points | 401 points | 1601 points |
| 10 MHz to 4.5 GHz | Not Calibrated        | 1 MHz   | 12.52 ms   | 22.93 ms   | 85.40 ms    |
|                   |                       | 500 kHz | 12.52 ms   | 22.94 ms   | 85.40 ms    |
|                   |                       | 100 kHz | 12.56 ms   | 22.98 ms   | 85.46 ms    |
|                   |                       | 1 kHz   | 202 ms     | 402 ms     | 1599 ms     |
| 10 MHz to 4.5 GHz | Dual-port Calibration | 1 MHz   | 25.11 ms   | 45.81 ms   | 170.77ms    |
|                   |                       | 500 kHz | 25.00 ms   | 45.82 ms   | 170.78 ms   |
|                   |                       | 100 kHz | 25.10 ms   | 45.93 ms   | 170.90 ms   |
|                   |                       | 1 kHz   | 407 ms     | 806 ms     | 3198 ms     |
| 10 MHz to 8.5 GHz | Not Calibrated        | 1 MHz   | 13.06 ms   | 23.48 ms   | 86.00 ms    |
|                   |                       | 500 kHz | 13.07 ms   | 23.49 ms   | 86.02 ms    |
|                   |                       | 100 kHz | 13.13 ms   | 23.54 ms   | 86.08 ms    |
|                   |                       | 1 kHz   | 203 ms     | 402 ms     | 1599 ms     |
| 10 MHz to 8.5 GHz | Dual-port Calibration | 1 MHz   | 25.44 ms   | 46.28 ms   | 171.28 ms   |
|                   |                       | 500 kHz | 25.47 ms   | 46.29 ms   | 171.3 ms    |
|                   |                       | 100 kHz | 25.59 ms   | 46.41 ms   | 171.4 ms    |
|                   |                       | 1 kHz   | 405 ms     | 804.7 ms   | 3199 ms     |
| 10 MHz to 14 GHz  | Not Calibrated        | 1 MHz   | 14.03 ms   | 24.44 ms   | 87.02 ms    |
|                   |                       | 500 kHz | 14.04 ms   | 24.46 ms   | 87.03 ms    |
|                   |                       | 100 kHz | 14.12 ms   | 24.53 ms   | 87.13 ms    |
|                   |                       | 1 kHz   | 204 ms     | 403 ms     | 1600 ms     |
| 10 MHz to 14 GHz  | Dual-port Calibration | 1 MHz   | 26.50 ms   | 47.32 ms   | 172.4 ms    |
|                   |                       | 500 kHz | 26.52 ms   | 47.33 ms   | 172.43 ms   |
|                   |                       | 100 kHz | 26.68 ms   | 47.5 ms    | 172.58 ms   |
|                   |                       | 1 kHz   | 406.8 ms   | 805.8 ms   | 3212 ms     |

# Input/Output

## RF Test Port Input

| RF Test Port Input (on the front panel) |                    |
|-----------------------------------------|--------------------|
| Frequency Range                         | 5 kHz to 14 GHz    |
| Number of Ports                         | 2                  |
| Input Impedance                         | 50 $\Omega$ (nom.) |
| Connector Type                          | N-type Female      |

## 10 MHz Reference Clock Connector

| 10 MHz reference input/output (rear panel) |                                  |
|--------------------------------------------|----------------------------------|
| Output frequency                           | 10 MHz (fixed)                   |
| Output Level                               | +3 dBm to +10 dBm, +7 dBm (typ.) |
| Output Impedance                           | 50 $\Omega$ (nom.)               |
| Input frequency                            | 10 MHz $\pm$ 10 ppm              |
| Input Level                                | 0 dBm to +10 dBm                 |
| Input Impedance                            | 50 $\Omega$ (nom.)               |
| Connector Type                             | BNC (F)                          |

## Ext Trigger I/O

| Trigger input/output (rear panel) |                            |
|-----------------------------------|----------------------------|
| Input Impedance                   | $\geq 1$ k $\Omega$ (nom.) |
| Input Level                       | 3.3 V TTL Level            |
| Output Impedance                  | 50 $\Omega$ (nom.)         |
| Output Level                      | 3.3 V TTL Level            |
| Connector Type                    | BNC (F)                    |

## Communication Interface

| Communication Interface |                                       |
|-------------------------|---------------------------------------|
| USB DEVICE              | USB 2.0, 1 on the rear panel          |
| USB HOST                | USB 2.0, 1 on the front panel         |
| HDMI                    | 1 on the rear panel, HDMI 1.4, A plug |
| LAN                     | 1 on the rear panel, 10/100 Base-T    |

# General specifications

## Display

| Display            |                                                                 |
|--------------------|-----------------------------------------------------------------|
| LCD                | 7-inch capacitive multi-touch screen, gesture enabled operation |
| Display Resolution | 1024*600                                                        |

## Power Supply

| Power Supply      |                  |
|-------------------|------------------|
| Power interface   | Type-C interface |
| Power Supply      | DC 20 V, 5 A     |
| Power Consumption | 50 W             |

## Processor System

| Operating System |                  |                                   |
|------------------|------------------|-----------------------------------|
| Operating System |                  | Linux                             |
| Mass Memory      | Internal Storage | 32 GB                             |
|                  | External Storage | USB storage device (not supplied) |

## Working Environment

| Environment       |                  |                                                                                                       |
|-------------------|------------------|-------------------------------------------------------------------------------------------------------|
| Temperature Range | Operating        | 0°C to 40°C                                                                                           |
|                   | Storage          | -20°C to 60°C                                                                                         |
| Humidity Range    | Operating        | 0°C to 30°C: ≤95% RH<br>30°C to 40°C: ≤75% RH                                                         |
|                   | Non-Operating    | Below +40°C:<br>5% to 90%, without condensation<br>+40°C to +60°C:<br>5% to 80%, without condensation |
| Altitude          | Operating Height | Below 2000 m (6561.68 feet)                                                                           |

## Regulations

| Electromagnetic Compatibility and Safety |                                                                           |                                                      |
|------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------|
| Electromagnetic Compatibility (EMC)      | Anti-interference conforms to specifications in EMC Directive 2014/30/EU; |                                                      |
|                                          | EMC RF and emission limits conforms to CISPR11/EN 55011, Group 1, Class A |                                                      |
|                                          | IEC61000-4-2:2008/EN61000-4-2                                             | ±4.0 kV (contact discharge), ±8.0 kV (air discharge) |

| Electromagnetic Compatibility and Safety |                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|                                          | IEC61000-4-3:2002/EN61000-4-3                                                                                                                                                                                                                                                                                                                                                                                     | 3 V/m (80 MHz to 1 GHz);<br>3 V/m (1.4 GHz to 2 GHz);<br>1 V/m (2.0 GHz to 2.7 GHz)                                                            |
|                                          | IEC61000-4-4:2004/EN61000-4-4                                                                                                                                                                                                                                                                                                                                                                                     | 1 kV power line                                                                                                                                |
|                                          | IEC61000-4-5:2001/EN61000-4-5                                                                                                                                                                                                                                                                                                                                                                                     | 0.5 kV (phase-to-neutral voltage);<br>1 kV (phase-to-earth voltage);<br>1 kV (neutral-to-earth voltage)                                        |
|                                          | IEC61000-4-6:2003/EN61000-4-6                                                                                                                                                                                                                                                                                                                                                                                     | 3 V, 0.15 MHz-80 MHz                                                                                                                           |
|                                          | IEC61000-4-11:2004/EN 61000-4-11                                                                                                                                                                                                                                                                                                                                                                                  | Voltage dip:<br>0% UT during half cycle,<br>0% UT during 1 cycle,<br>70% UT during 25 cycles<br>Short interruption:<br>0% UT during 250 cycles |
| Safety                                   | EN 61010-1, IEC 61010-1, UL 61010-1, CAN/CSA-C22.2 no. 61010-1                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                |
| Environment                              | Samples of this product have been type tested in accordance with RIGOL's reliability test regulations and verified to be robust against the environmental stresses of storage, transportation, and end-use; those stresses include, but are not limited to, temperature, humidity, shock, and vibration. The test methods are compliant with standards specified in GB/T65872 Class 2 and MIL-PRF-28800F Class 3. |                                                                                                                                                |

## Mechanical Dimensions

| Mechanical Dimensions  |                                     |                                                                  |
|------------------------|-------------------------------------|------------------------------------------------------------------|
| Dimensions (W x H x D) | 265.35 mm × 161.75 mm × 77.38 mm    |                                                                  |
| Weight                 | Mechanical Calibration Kit Excluded | Without packaging: < 1.9 kg<br>With packaging: < 2.9 kg (6.4 lb) |

## Warranty and Calibration Interval

| Warranty and Calibration         |                                                       |
|----------------------------------|-------------------------------------------------------|
| Recommended Calibration Interval | 18 months                                             |
| Warranty                         | Three years for the mainframe, excluding accessories. |

# Ordering Information and Warranty

## Ordering Information

|                                | Description                                                                        | Order No.                                                      |
|--------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Model                          | 5 kHz to 4.5 GHz, 2 ports                                                          | DNA804                                                         |
|                                | 5 kHz to 8.5 GHz, 2 ports                                                          | DNA808                                                         |
|                                | 5 kHz to 14 GHz, 2 ports                                                           | DNA814                                                         |
| Standard Accessory             | Power adapter compliant with local standards                                       | -                                                              |
| Measurement Application Option | TDA (Time-Domain Analysis)                                                         | DNA-TDA10                                                      |
|                                | DTF (Distance to Fault)                                                            | DNA-DTF10                                                      |
| Optional Accessories           | Electronic Calibration Kit, 100 kHz to 4.5 GHz, 2-port, 50 $\Omega$ , N-type ( F ) | ECAL304-NF2                                                    |
|                                | Electronic Calibration Kit, 100 kHz to 9 GHz, 2-port, 50 $\Omega$ , N-type ( F )   | ECAL309-NF2                                                    |
|                                | Electronic Calibration Kit, 100 kHz to 14 GHz, 2-port, 50 $\Omega$ , N-type ( F )  | ECAL314-NF2                                                    |
|                                | Electronic Calibration Kit, 100 kHz to 4.5 GHz, 2-port, SMA-type ( F )             | ECAL304-SF2                                                    |
|                                | Electronic Calibration Kit, 100 kHz to 9 GHz, 2-port, SMA-type ( F )               | ECAL309-SF2                                                    |
|                                | Electronic Calibration Kit, 100 kHz to 14 GHz, 2-port, SMA-type ( F )              | ECAL314-SF2                                                    |
|                                | Electronic Calibration Kit, DC to 4.5 GHz, 2-port, 50 $\Omega$ , N-type ( F )      | ECAL404-NF2                                                    |
|                                | Electronic Calibration Kit, DC to 9 GHz, 2-port, 50 $\Omega$ , N-type ( F )        | ECAL409-NF2                                                    |
|                                | Electronic Calibration Kit, DC to 14 GHz, 2-port, 50 $\Omega$ , N-type ( F )       | ECAL414-NF2                                                    |
|                                | Electronic Calibration Kit, DC to 4.5 GHz, 2-port, SMA-type ( F )                  | ECAL404-SF2                                                    |
|                                | Electronic Calibration Kit, DC to 9 GHz, 2-port, SMA-type ( F )                    | ECAL409-SF2                                                    |
|                                | Electronic Calibration Kit, DC to 14 GHz, 2-port, SMA-type ( F )                   | ECAL414-SF2                                                    |
|                                | Mechanical calibration kit                                                         | Refer to <a href="#">Mechanical Calibration Kits Datasheet</a> |
|                                | RF Cable                                                                           | Refer to <a href="#">RF-Cable Datasheet</a>                    |

### NOTE:

For all the mainframes, accessories, and options, please contact the local office of RIGOL .

# Warranty Period

Three-year warranty on the main unit; accessories excluded.

# Boost Smart World and Technology Innovation

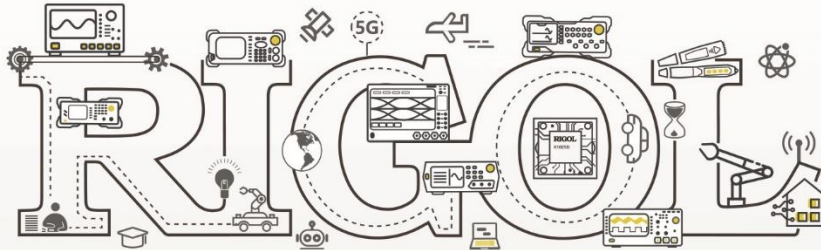
Industrial Intelligent  
Manufacturing



Semiconductors



Education &  
Research



Communication

System Integration



New Energy



- 5G Cellular-5G/WIFI
- UWB/RFID/ ZIGBEE
- Digital Bus/Ethernet
- Optical Communication

- Digital/Analog/RF Chip
- Memory and MCU Chip
- Third-Generation Semiconductor
- Solar Photovoltaic Cells

- New Energy Automobile
- PV/Inverter
- Power Test
- Automotive Electronics

*Provide Testing and Measuring Products  
and Solutions for Industry Customers*

## HEADQUARTER

**RIGOL TECHNOLOGIES CO., LTD.**  
No.8 Keling Road, New District,  
Suzhou, Jiangsu, P.R.China  
Tel: +86-400620002  
Email: info-cn@rigol.com

## JAPAN

**RIGOL JAPAN CO., LTD.**  
5F, 3-45-6, Minamitsuka, Toshima-Ku,  
Tokyo, 170-0005, Japan  
Tel: +81-3-6262-8932  
Fax: +81-3-6262-8933  
Email: info.jp@rigol.com

## EUROPE

**RIGOL TECHNOLOGIES EU GmbH**  
Friedrichshafener Str. 5c  
82205 Gilching  
Germany  
Tel: +49-(0)8105-27292-22  
Email: johannes.kroiher@rigol.com

## KOREA

**RIGOL KOREA CO., LTD.**  
5F, 222, Gonghang-daero,  
Gangseo-gu, Seoul, Republic of Korea  
Tel: +82-2-6953-4466  
Fax: +82-2-6953-4422  
Email: info.kr@rigol.com

## NORTH AMERICA

**RIGOL TECHNOLOGIES, USA INC.**  
10220 SW Nimbus Ave.  
Suite K-7  
Portland, OR 97223  
Tel: +1-877-4-RIGOL-1  
Email: sales@rigol.com

## For Assistance in Other Countries

Email: info.int@rigol.com

**RIGOL®** is the trademark of **RIGOL TECHNOLOGIES CO., LTD.** Product information in this document is subject to update without notice. For the latest information about **RIGOL's** products, applications and services, please contact local **RIGOL** channel partners or access **RIGOL** official website: **www.rigol.com**