Chapter 6 Specifications

This chapter lists the technical specifications and general specifications of the RF signal generator. The technical specifications are valid when the instrument is within the calibration period, is stored for at least two hours in 0°C to 50°C temperature and is warmed up for 40 minutes. Unless otherwise noted, the specifications in this manual include the measurement uncertainty.

Typical Value (typ.): the typical performance that 80 percent of the measurement results can meet at room temperature (approximately 25°C). This data is not warranted and does not include the measurement uncertainty.

Nominal Value (nom.): the expected average performance or the designed performance attribute (for example, the 50 Ω connector). This data is not warranted and is measured at room temperature (approximately 25°C).

Measured Value (meas.): the performance attribute measured during the design phase and used to be compared with the expected performance (for example, the variation of the amplitude drift with time). This data is not warranted and is measured at room temperature (approximately 25°C).

Note: Unless otherwise noted, all the values in this chapter are the measurement results of multiple instruments at room temperature.
## Technical Specifications

### Frequency

<table>
<thead>
<tr>
<th>Frequency</th>
<th>DSG815</th>
<th>DSG830</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency range</td>
<td>9 kHz to 1.5 GHz</td>
<td>9 kHz to 3 GHz</td>
</tr>
<tr>
<td>Frequency resolution</td>
<td>0.01 Hz</td>
<td></td>
</tr>
<tr>
<td>Setting time(^{[1]})</td>
<td>&lt;10 ms (typ.)</td>
<td></td>
</tr>
</tbody>
</table>

### Frequency Band

<table>
<thead>
<tr>
<th>Band</th>
<th>Frequency range</th>
<th>N(^{[2]})</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>f &lt; 227.5 MHz</td>
<td>0.25</td>
</tr>
<tr>
<td>2</td>
<td>227.5 MHz ≤ f &lt; 455 MHz</td>
<td>0.125</td>
</tr>
<tr>
<td>3</td>
<td>455 MHz ≤ f &lt; 910 MHz</td>
<td>0.25</td>
</tr>
<tr>
<td>4</td>
<td>910 MHz ≤ f &lt; 1820 MHz</td>
<td>0.5</td>
</tr>
<tr>
<td>5</td>
<td>1820 MHz ≤ f ≤ 3000 MHz</td>
<td>1</td>
</tr>
</tbody>
</table>

### Internal Reference Frequency

<table>
<thead>
<tr>
<th>Reference frequency</th>
<th>10 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature stability</td>
<td>In temperature range 0°C to 50°C, reference to 25°C</td>
</tr>
<tr>
<td></td>
<td>With option OCXO-B08</td>
</tr>
<tr>
<td>Aging rate</td>
<td>&lt; 1 ppm/\text{year}</td>
</tr>
<tr>
<td></td>
<td>With option OCXO-B08</td>
</tr>
</tbody>
</table>

### Internal reference frequency output

<table>
<thead>
<tr>
<th>Frequency</th>
<th>10 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level</td>
<td>+5 dBm to +10 dBm</td>
</tr>
</tbody>
</table>

### External reference frequency input

<table>
<thead>
<tr>
<th>Frequency</th>
<th>10 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level</td>
<td>0 dBm to +10 dBm</td>
</tr>
<tr>
<td>Maximum deviation</td>
<td>±5 ppm</td>
</tr>
</tbody>
</table>

\(^{[1]}\) Time from receipt of SCPI command or trigger signal to within 0.1 ppm of final frequency (final frequency ≥ 227.5 MHz) or within 100 Hz (final frequency < 227.5 MHz).

\(^{[2]}\) N is a factor used to help define certain specifications within the manual.
## Frequency Sweep

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sweep type</strong></td>
<td>Step sweep (equally or logarithmically spaced frequency steps)</td>
</tr>
<tr>
<td></td>
<td>List sweep (list with arbitrary frequency steps)</td>
</tr>
<tr>
<td><strong>Sweep mode</strong></td>
<td>Single, continuous</td>
</tr>
<tr>
<td><strong>Sweep range</strong></td>
<td>Full frequency range</td>
</tr>
<tr>
<td><strong>Sweep shape</strong></td>
<td>Triangle, ramp</td>
</tr>
<tr>
<td><strong>Step change</strong></td>
<td>Linear or logarithmic</td>
</tr>
<tr>
<td><strong>Number of sweep points</strong></td>
<td></td>
</tr>
<tr>
<td>List sweep</td>
<td>1 to 6001</td>
</tr>
<tr>
<td>Step sweep</td>
<td>2 to 65535</td>
</tr>
<tr>
<td><strong>Dwell time</strong></td>
<td>20 ms to 100 s</td>
</tr>
<tr>
<td><strong>Trigger mode</strong></td>
<td>Auto, key, external, bus (USB, LAN)</td>
</tr>
</tbody>
</table>

## Spectral Purity

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Harmonic</strong></td>
<td>CW mode, 1 MHz ≤ f ≤ 3 GHz, level ≤ +13 dBm</td>
</tr>
<tr>
<td></td>
<td>&lt; -30 dBc</td>
</tr>
<tr>
<td><strong>Non-harmonic</strong></td>
<td>CW mode, level &gt; -10 dBm, carrier offset &gt; 10 kHz</td>
</tr>
<tr>
<td>100 kHz ≤ f ≤ 1.5 GHz</td>
<td>&lt; -60 dBc, &lt; -70 dBc (typ.)</td>
</tr>
<tr>
<td>1.5 GHz &lt; f ≤ 3 GHz</td>
<td>&lt; -54 dBc, &lt; -64 dBc (typ.)</td>
</tr>
<tr>
<td><strong>SSB phase noise</strong></td>
<td>CW mode, carrier offset = 20 kHz, 1 Hz measurement bandwidth</td>
</tr>
<tr>
<td>100 kHz ≤ f ≤ 1.5 GHz</td>
<td>&lt; -100 dBc/Hz, &lt; -105 dBc/Hz (typ.)</td>
</tr>
<tr>
<td>1.5 GHz &lt; f ≤ 3 GHz</td>
<td>&lt; -94 dBc/Hz, &lt; -99 dBc/Hz (typ.)</td>
</tr>
<tr>
<td><strong>Residual FM</strong></td>
<td>CW mode, RMS value at f = 1 GHz</td>
</tr>
<tr>
<td>0.3 kHz to 3 kHz</td>
<td>&lt; 10 Hz rms, &lt; 5 Hz rms (typ.)</td>
</tr>
<tr>
<td>0.03 kHz to 20 kHz</td>
<td>&lt; 50 Hz rms, &lt; 10 Hz rms (typ.)</td>
</tr>
</tbody>
</table>
## Amplitude

### Setting Range

<table>
<thead>
<tr>
<th>Specification level range</th>
<th>Setting range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum output level[1]</td>
<td>+5 dBm</td>
</tr>
<tr>
<td>9 kHz ≤ f &lt; 100 kHz</td>
<td></td>
</tr>
<tr>
<td>100 kHz ≤ f ≤ 3 GHz</td>
<td>+13 dBm</td>
</tr>
<tr>
<td>Minimum output level</td>
<td>-110 dBm</td>
</tr>
<tr>
<td>9 kHz ≤ f ≤ 100 kHz</td>
<td></td>
</tr>
<tr>
<td>100 kHz &lt; f ≤ 3 GHz</td>
<td>-110 dBm</td>
</tr>
<tr>
<td>Setting resolution</td>
<td>0.01 dB</td>
</tr>
</tbody>
</table>

### Absolute Level Uncertainty

<table>
<thead>
<tr>
<th>Level uncertainty</th>
<th>Temperature range: 20℃ to 30℃</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>+13 dBm to -60 dBm</td>
</tr>
<tr>
<td>100 kHz ≤ f ≤ 3 GHz</td>
<td>≤ 0.9 dB, ≤ 0.5 (typ.)</td>
</tr>
<tr>
<td></td>
<td>-60 dBm to -110 dBm</td>
</tr>
<tr>
<td>VSWR[2]</td>
<td>≤ 1.1 dB, ≤ 0.7 (typ.)</td>
</tr>
</tbody>
</table>

### Level Setting

<table>
<thead>
<tr>
<th>Setting time[3]</th>
<th>Fixed frequency, temperature range: 20℃ to 30℃</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>≤ 5 ms (typ.)</td>
</tr>
</tbody>
</table>

### Max. Reverse Power

<table>
<thead>
<tr>
<th>Max. reverse power</th>
<th>Max. DC voltage</th>
<th>50 V</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 MHz &lt; f ≤ 3 GHz</td>
<td></td>
<td>1 W</td>
</tr>
</tbody>
</table>

**Note:**
[1] Typical maximum output level up to +20 dBm (±1 dB) when output frequency ≥ 10 MHz.
[2] 50 Ω measurement system, typical value, output level ≤ -10 dBm.
[3] Time from receipt of SCPI command or trigger signal to within 0.1 dB of final level.
### Level Sweep

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sweep type</td>
<td>Step sweep (equally spaced level steps)</td>
</tr>
<tr>
<td></td>
<td>List sweep (list with arbitrary level steps)</td>
</tr>
<tr>
<td>Sweep mode</td>
<td>Single, continuous</td>
</tr>
<tr>
<td>Sweep range</td>
<td>Full level range</td>
</tr>
<tr>
<td>Sweep shape</td>
<td>Triangle, ramp</td>
</tr>
<tr>
<td>Step change</td>
<td>Linear</td>
</tr>
<tr>
<td>Number of sweep points</td>
<td>Step sweep 2 to 65535</td>
</tr>
<tr>
<td></td>
<td>List sweep 1 to 6001</td>
</tr>
<tr>
<td>Dwell time</td>
<td>20 ms to 100 s</td>
</tr>
<tr>
<td>Trigger mode</td>
<td>Auto, key, external, bus (USB, LAN)</td>
</tr>
</tbody>
</table>

### Internal Modulation Generator (LF)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waveform</td>
<td>Sine, square</td>
</tr>
<tr>
<td>Frequency range</td>
<td>Sine DC to 200 kHz</td>
</tr>
<tr>
<td></td>
<td>Square DC to 20 kHz</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.01 Hz</td>
</tr>
<tr>
<td>Frequency error</td>
<td>The same with that of the RF reference source</td>
</tr>
<tr>
<td>Voltage range</td>
<td>AC 0 to 3 $V_p$</td>
</tr>
<tr>
<td></td>
<td>DC -3 V to 3 V</td>
</tr>
<tr>
<td>Voltage resolution</td>
<td>2 mV</td>
</tr>
</tbody>
</table>
## Modulation[^1]

<table>
<thead>
<tr>
<th>Simultaneous Modulation</th>
<th>AM</th>
<th>FM</th>
<th>ØM</th>
<th>Pulse mod. (opt.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM</td>
<td>-</td>
<td>○</td>
<td>○</td>
<td>△</td>
</tr>
<tr>
<td>FM</td>
<td>○</td>
<td>-</td>
<td>×</td>
<td>○</td>
</tr>
<tr>
<td>ØM</td>
<td>○</td>
<td>×</td>
<td>-</td>
<td>○</td>
</tr>
<tr>
<td>Pulse mod. (opt.)</td>
<td>△</td>
<td>○</td>
<td>○</td>
<td>-</td>
</tr>
</tbody>
</table>

**Note:** ○: compatible; ×: not compatible; △: compatible, but the amplitude modulation performance will decrease when pulse modulation is turned on.

### Amplitude Modulation

<table>
<thead>
<tr>
<th>Modulation source</th>
<th>Internal, external</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modulation depth[^2]</td>
<td>0% to 100%</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.1%</td>
</tr>
<tr>
<td>Setting uncertainty</td>
<td>$f_{\text{mod}} = 1$ kHz</td>
</tr>
<tr>
<td>Distortion</td>
<td>$f_{\text{mod}} = 1$ kHz, $m &lt; 30%$, level = 0 dBm</td>
</tr>
<tr>
<td>Modulation frequency response</td>
<td>$m &lt; 80%$, DC/10 Hz to 100 kHz</td>
</tr>
</tbody>
</table>

### Frequency Modulation

<table>
<thead>
<tr>
<th>Modulation source</th>
<th>Internal, external</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. deviation</td>
<td>$N \times 1$ MHz (nom.)</td>
</tr>
<tr>
<td>Resolution</td>
<td>$&lt; 0.1%$ of the deviation or 1 Hz, take the greater one (nom.)</td>
</tr>
<tr>
<td>Setting uncertainty</td>
<td>$f_{\text{mod}} = 1$ kHz, internal modulation</td>
</tr>
<tr>
<td>Distortion</td>
<td>$f_{\text{mod}} = 1$ kHz, deviation = $N \times 50$ kHz</td>
</tr>
<tr>
<td>Modulation frequency response[^3]</td>
<td>DC/10 Hz to 100 kHz</td>
</tr>
</tbody>
</table>

**Note:**[^1] Unless otherwise noted, the modulation source is sine. The temperature range is from 20°C to 30°C, carrier frequency $\geq 1$ MHz.

[^2]: The envelop peak power is no greater than the maximum value of the specification output range.

[^3]: External modulation, measured at 100 kHz deviation.
### Phase Modulation

<table>
<thead>
<tr>
<th>Source</th>
<th>Internal, external</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. deviation</td>
<td>$N \times 5$ rad (nom.)</td>
</tr>
<tr>
<td>Resolution</td>
<td>$&lt; 0.1%$ of the deviation or $0.01$ rad, take the greater one (nom.)</td>
</tr>
<tr>
<td>Setting uncertainty</td>
<td>$f_{\text{mod}} = 1$ kHz, internal modulation $&lt; \text{setting value} \times 1% + 0.1$ rad</td>
</tr>
<tr>
<td>Distortion</td>
<td>$f_{\text{mod}} = 1$ kHz, deviation $= N \times 5$ rad $&lt; 1%$ (typ.)</td>
</tr>
<tr>
<td>Modulation frequency response(^{[1]})</td>
<td>DC/10 Hz to 100 kHz $&lt; 3$ dB (nom.)</td>
</tr>
</tbody>
</table>

### Pulse Modulation (Option DSG800-PUM)

<table>
<thead>
<tr>
<th>Source</th>
<th>External, internal</th>
</tr>
</thead>
<tbody>
<tr>
<td>On/off ratio</td>
<td>$100$ kHz $\leq f &lt; 3$ GHz $&gt; 70$ dB</td>
</tr>
<tr>
<td>Rise/fall time (10%/90%)</td>
<td>$&lt; 50$ ns, 10 ns (typ.)</td>
</tr>
<tr>
<td>Pulse repetition frequency</td>
<td>DC to 1 MHz</td>
</tr>
</tbody>
</table>

### Pulse Generator (Option DSG800-PUM)

<table>
<thead>
<tr>
<th>Mode</th>
<th>Single pulse, pulse train (option DSG800-PUG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Period</td>
<td>Setting range $40$ ns to $170$ s</td>
</tr>
<tr>
<td></td>
<td>Resolution $10$ ns</td>
</tr>
<tr>
<td>Width</td>
<td>Setting range $10$ ns to $(170$ s - $10$ ns)</td>
</tr>
<tr>
<td></td>
<td>Resolution $10$ ns</td>
</tr>
<tr>
<td>Delay</td>
<td>Setting range $10$ ns to $170$ s</td>
</tr>
<tr>
<td></td>
<td>Resolution $10$ ns</td>
</tr>
<tr>
<td>Mode</td>
<td>Auto, external trigger, external gate, key, bus (USB, LAN)</td>
</tr>
</tbody>
</table>

### Pulse Train Generator (Option DSG800-PUG)

<table>
<thead>
<tr>
<th>Number of pulse patterns</th>
<th>1 to 2047</th>
</tr>
</thead>
<tbody>
<tr>
<td>On/off time range</td>
<td>20 ns to $170$ s</td>
</tr>
<tr>
<td>Repetitions per pattern</td>
<td>1 to 256</td>
</tr>
</tbody>
</table>

---

Note: \(^{[1]}\) External modulation, measured at 5 rad deviation.
## Input and Output

### Front Panel Connectors

<table>
<thead>
<tr>
<th>Connector</th>
<th>Impedance</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF output</td>
<td>50 Ω (nom.)</td>
<td>Connector: N female</td>
</tr>
<tr>
<td>Internal modulation generator</td>
<td>50 Ω (nom.)</td>
<td>Connector: BNC female</td>
</tr>
<tr>
<td>generator (LF) output</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Rear Panel Connectors

<table>
<thead>
<tr>
<th>Connector</th>
<th>Impedance</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>External trigger input</td>
<td>1 kΩ (nom.)</td>
<td>Connector: BNC female</td>
</tr>
<tr>
<td>Signal valid output</td>
<td></td>
<td>Connector: BNC female</td>
</tr>
<tr>
<td>Pulse input or output</td>
<td>50 Ω (nom.)</td>
<td>Connector: BNC female</td>
</tr>
<tr>
<td>10MHz input (external</td>
<td>50 Ω (nom.)</td>
<td>Connector: BNC female</td>
</tr>
<tr>
<td>frequency reference input</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10MHz output (external</td>
<td>50 Ω (nom.)</td>
<td>Connector: BNC female</td>
</tr>
<tr>
<td>frequency reference output</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Rear Panel Communication Interfaces

<table>
<thead>
<tr>
<th>Interface</th>
<th>Connector</th>
<th>Protocol</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB host</td>
<td>A plug</td>
<td>Version 2.0</td>
</tr>
<tr>
<td>USB device</td>
<td>B plug</td>
<td>Version 2.0</td>
</tr>
<tr>
<td>LAN</td>
<td>LXI Core 2011 Device</td>
<td>10/100Base, RJ-45</td>
</tr>
</tbody>
</table>
## General Specifications

<table>
<thead>
<tr>
<th>Display</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>TFT LCD</td>
</tr>
<tr>
<td>Resolution</td>
<td>320 (RGB) × 240</td>
</tr>
<tr>
<td><strong>Size</strong></td>
<td>3.5 inches</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mass Storage</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mess storage</strong></td>
<td>Flash non-volatile memory (internal); USB storage device (not supplied)</td>
</tr>
<tr>
<td><strong>Data storage space</strong></td>
<td>Flash non-volatile memory (internal) 96 MB (nom.)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power Supply</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input voltage range, AC</strong></td>
<td>100 V to 240 V (nom.)</td>
</tr>
<tr>
<td><strong>AC frequency range</strong></td>
<td>45 Hz to 440 Hz</td>
</tr>
<tr>
<td><strong>Power consumption</strong></td>
<td>With all the options 50 W (typ.), max. 60 W</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electromagnetic Compatibility and Safety</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Certificate of conformity</strong></td>
<td>CE</td>
</tr>
<tr>
<td></td>
<td>cTUVus</td>
</tr>
<tr>
<td></td>
<td>EAC</td>
</tr>
<tr>
<td><strong>EMC</strong></td>
<td>Conform to EN61326-1:2013</td>
</tr>
<tr>
<td></td>
<td>IEC 61000-4-2:2008</td>
</tr>
<tr>
<td></td>
<td>±4.0 kV (contact discharge), ±8.0 kV (air discharge)</td>
</tr>
<tr>
<td></td>
<td>IEC 61000-4-3:2006+A1+A2</td>
</tr>
<tr>
<td></td>
<td>3 V/m (80 MHz to 1 GHz)</td>
</tr>
<tr>
<td></td>
<td>3 V/m (1.4 GHz to 2 GHz)</td>
</tr>
<tr>
<td></td>
<td>1 V/m (2.0 GHz to 2.7 GHz)</td>
</tr>
<tr>
<td></td>
<td>IEC 61000-4-4:2004+A1</td>
</tr>
<tr>
<td></td>
<td>1 kV power cable</td>
</tr>
<tr>
<td></td>
<td>IEC 61000-4-5:2005</td>
</tr>
<tr>
<td></td>
<td>0.5 kV (Phase to Neutral)</td>
</tr>
<tr>
<td></td>
<td>0.5 kV (Phase to PE)</td>
</tr>
<tr>
<td></td>
<td>1 kV (Neutral to PE)</td>
</tr>
<tr>
<td></td>
<td>IEC 61000-4-6:2008</td>
</tr>
<tr>
<td></td>
<td>3 V, 0.15 MHz to 80 MHz</td>
</tr>
<tr>
<td></td>
<td>IEC 61000-4-8:2009</td>
</tr>
<tr>
<td></td>
<td>3 A/m (50 Hz, 60 Hz)</td>
</tr>
<tr>
<td></td>
<td>IEC 61000-4-11:2004</td>
</tr>
<tr>
<td></td>
<td>Voltage dip:</td>
</tr>
<tr>
<td></td>
<td>0% UT during half cycle</td>
</tr>
<tr>
<td></td>
<td>0% UT during 1 cycle</td>
</tr>
<tr>
<td></td>
<td>70% UT during 25 cycles</td>
</tr>
<tr>
<td></td>
<td>Short interruption:</td>
</tr>
</tbody>
</table>

DSG800 User's Guide  6-9
### Safety regulation

<table>
<thead>
<tr>
<th>Conform to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>UL 61010-1:2012</td>
</tr>
<tr>
<td>CAN/CSA-C22.2 No. 61010-1-12</td>
</tr>
<tr>
<td>EN 61010-1:2010</td>
</tr>
</tbody>
</table>

### Environmental

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Operating temperature range</th>
<th>0°C to 50°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage temperature range</td>
<td>-20°C to 70°C</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Humidity</th>
<th>0°C to 30°C</th>
<th>≤ 95% RH</th>
</tr>
</thead>
<tbody>
<tr>
<td>30°C to 40°C</td>
<td>≤ 75% RH</td>
<td></td>
</tr>
<tr>
<td>40°C to 50°C</td>
<td>≤ 45% RH</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Altitude</th>
<th>Operating height</th>
<th>Below 3000 m</th>
</tr>
</thead>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>W × H × D</th>
<th>261.5 mm × 112 mm × 318.4 mm (10.30 inch × 4.41 inch × 12.54 inch)</th>
</tr>
</thead>
</table>

### Weight

<table>
<thead>
<tr>
<th>4.2 kg (9.3 lb)</th>
</tr>
</thead>
</table>

### Calibration Interval

<table>
<thead>
<tr>
<th>Recommended calibration interval</th>
<th>1 year</th>
</tr>
</thead>
</table>