
Environmental Requirements

Table 2-1 Environmental Requirements

| Parameter | Required Values/Ranges |
|------------------------------------|---|
| Temperature | |
| Operating ^a | +20 °C to +26 °C (+68 °F to +79 °F) |
| Storage | −40 °C to +75 °C (−40 °F to +167 °F) |
| Error-corrected range ^b | ±1 °C (1.8 °F) of measurement calibration temperature |
| Altitude | |
| Operating | < 4,500 meters (≈15,000 feet) |
| Storage | < 15,000 meters (≈50,000 feet) |
| Relative humidity | Always non-condensing |
| Operating | 0 to 80% (26 °C maximum dry bulb) |
| Storage | 0 to 90% |

- a. The temperature range over which the calibration standards maintain conformance to their specifications.
- b. The allowable network analyzer ambient temperature drift during measurement calibration and during measurements when the network analyzer error correction is turned on. Also, the range over which the network analyzer maintains its specified performance while correction is turned on.

Temperature—What To Watch Out For

Due to the small dimensions of the devices, electrical characteristics will change with temperature. Therefore, the operating temperature is a critical factor in their performance, and must be stable before use.

IMPORTANT Avoid unnecessary handling of the devices during use because your fingers are a heat source.
