

Physical Specifications

Table 3 Physical Specifications - sampler (G1367B/D / G1377A)

| Type | Specification | Comments |
|-------------------------------------|--|-----------------------------|
| Weight | 15.5 kg (34.2 lbs) | |
| Dimensions (height × width × depth) | 200 × 345 × 440 mm (8 × 13.5 × 17 inches) | |
| Line voltage | 100 – 240 VAC, ±10% | Wide-ranging capability |
| Line frequency | 50 or 60 Hz, ±5% | |
| Power consumption (apparent power) | 300 VA | Maximum |
| Power consumption (active power) | 200 W | Maximum |
| Ambient operating temperature | 4 to 55 °C (41 to 131 °F) | |
| Ambient non-operating temperature | -40 to 70 °C (-4 to 158 °F) | |
| Humidity | < 95%, at 25 to 40 °C (77 to 104 °F) | Non-condensing |
| Operating Altitude | Up to 2000 m (6500 ft) | |
| Non-operating altitude | Up to 4600 m (14950 ft) | For storing the autosampler |
| Safety standards: IEC, CSA, UL | Installation Category II, Pollution Degree 2 | |

Performance Specifications

Table 4 Performance specifications Agilent 1200 Series High Performance Autosampler

| Type | Specification |
|------------------------|---|
| GLP features | Early maintenance feedback (EMF), electronic records of maintenance and errors |
| Communications | Controller-area network (CAN). RS232C, APG-remote standard, optional four external contact closures and BCD vial number output |
| Safety features | Leak detection and safe leak handling, low voltages in maintenance areas, error detection and display |
| Injection range | 0.1 – 100 µl in 0.1 µl increments Up to 1500 µl with multiple draw (hardware modification required) |
| Precision | Typically < 0.25% RSD from 5 – 100 µl, Typically < 1% RSD from 1 – 5 µl variable volume |
| Pressure range | 400 bar (5880 psi) |
| Sample viscosity range | 0.2 – 5 cp |
| Sample capacity | <p>2 × well plates (MTP) + 10 × 2 mL vials 108 × 2-mL vials in 2 × 54 vial plate plus 10 additional 2 mL vials 30 × 6-mL vials in 2 × 15 vial plate plus 10 additional 2 mL vials</p> <p>54 Eppendorf tubes (0.5/1.5/2.0mL) in 2 × 27 Eppendorf tube plate</p> <p>Also compatible with the Agilent 1200 Series sample capacity extension for further expansion of the sample capacity</p> |
| Injection cycle time | Typically < 30 s using following standard conditions: Default draw speed: 200 µl/min Default eject speed: 200 µl/min Injection volume: 5 µl |
| Carry-over | Typically < 0.01% using the following conditions: Column: 125 × 4 mm Hypersil ODS, 5 µm Mobile phase: Water/Acetonitrile = 80/20 Flow rate: 1 ml/min Injection volume: 1 µl caffeine (1 mg/ml), 5 µl water to test carryover Outside wash of needle before injection: 20 sec with water using flush port |