

MicroGC R990

Specifications



R990 Main Chassis

- **Desktop case or 19" rack model available**
- **Number of analysis channels:** 1 to 4
- **Number of internal pumps:** 0 to 2
- **Sample inlet**
 - 1 or 2
 - 1/8" stainless steel inlets
 - 1 bar relative maximum
- **Carrier gas**
 - 1 or 2
 - 1/8" stainless steel inlets
 - 5.5 bar relative maximum
- **Vents**
 - 6 maximum
 - 1/8" brass outlets maximum
- **Panels**
 - 1 LED on the front panel: status of the R990 (ready, in analysis, in alarm)
 - 1 standby switch on the front panel
 - 1 main switch on the back panel
- **Digital input/output**
 - SUB-D25 female connector
 - 2 x digital inputs
 - 2 x digital outputs
 - 2 x output relays (24 V - 1 A maximum)
 - Voltages available: 1 x 5 V - 1 x 12 V (500 mA max)
 - Control signals : 1 x start in - 1 ready in - 1 ready out - 1 start out
- **Weight**
 - 1 analytical module + OBC : 18 kg
 - 2 analytical modules + OBC : 20 kg
 - 3 analytical modules + OBC : 22 kg
 - 4 analytical modules + OBC : 24 kg
- **Power supply:**
300 W max / 100 V - 240 V / 50 - 60 Hz
- **Dimensions desktop case**
448.9 (W) x 236.7 (H) x 495.5 (D) mm
- **Dimensions 19" rack**
482 (W) x 221.5 (H) x 495.5 (D) mm

Without On-Board Computer

- **1 x Ethernet**
- **3 x USB** (1 on front panel and 2 on back panel):
 - WIFI
 - Agilent license (standard, mobile or pro)
 - Storage (Mobile or Pro License only)
- **1 x SUB-D9 Male** for Vici Valve - RS232 COM1
- **If Pro licence :** 2 x SUB-D9 Male COM 2 and COM 3 RS232/RS422/RS485 Modbus

With On-Board Computer

- **Intel core i3 Processor**
 - **256 GB SSD**
 - **8 GB RAM**
 - **Windows 10**
 - **Ports** (connected to the on-board computer)
 - 1 x Ethernet
 - 1 x USB 3.2 on front panel
 - 2 x USB 2.0 on back panel
 - 2 SUB-D9 male RS232-RS422-RS485 *
 - 1 SUB-D9 male RS232 *
 - 1 VGA
- * Vici valve or Modbus via Soprane CDS*

Options

- **Analog input**
 - Screw connectors with 4 analog inputs 0-10 V or 0-20 mA (individually configurable)
- **Genie filter membrane** (with or without sulfinert coating)
 - Genie 170
 - Type 6 Membrane - 54°C maximum
 - Inlet - outlet : 1/16" (Vici type)
- **Front panel touchscreen** (OBC mandatory)
 - Touchscreen 7" TFT - 24 bit - 1024 x 600 pixels
 - Display of the results
 - Start of the analysis
- **Pressure sensor**
 - Sample inlet pressure measurement
 - Range: - 1 to 1.5 bar
 - Accuracy: ± 60m bar
- **Sample selection valve**
 - 3 ways valve
 - Multi position valve
- **Digital or analog input/output** (choose between the following possibilities)
 - 4 x 4-20 mA outputs
 - 4 x relay outputs (5 A - 250 V)
 - Customized configuration on demand

Interface plan (desktop case model)

