

Quadurupole Mass Spectrometer with Differential Pumping Kit [Qulee with YTP-H]

A variation of Qulee, adding new features in response to customer needs.

By adding a differential pumping unit, the Qulee provides measurement and analysis capabilities for process management and residual gas analysis.







Atmospheric pressure type

Features

- ► Excellent Cost Performance
 - Provides gas analysis with an optional differential pumping unit
- Compact Design

procedures

- Utilizes standard vacuum unit "desktop YTP"
- ➤ Integrated Display Unit Design
 Provides visual data without need for a PC
- Easy to Operate
 One-click function for easy operation, no complex
- ➤ Atmospheric Pressure Analysis
- Selectable maximum measurable pressures 3000Pa, 500Pa, 100Pa, 10Pa and 1Pa
- (22.5Torr, 3.75Torr, 0.75Torr, 7.5×10^{-2} Torr and 7.5×10^{-3} Torr/30mbar, 5mbar, 1mbar, 0.1mbar and 1.0×10^{-2} mbar)
- > Select a Model Depending on your Application Select from the mass numbers 1 to 100 (BGM2-101/102), 1 to 200(BGM2-201/202), 1 to 300 (HGM2-302)
- ► Low noise 43dB(A) or less at Ultimate pressure

- ➤ Pressure indication
- Designed for easy integration of 2 vacuum gauges
- ➤ Complete Leak Test Function Helium leak test, air leak test, leak up test
- > Qulee QCS Ver.4 (Ethernet compatible) Software included (Windows 7/8/10)

Applications

- Various types of gas analysis for research and development
- > Gas monitoring of PVD system during processing
- ➤ Residual gas analysis in PVD system
- Residual gas analysis for high vacuum pumping equipment, etc.
- Impurity monitoring of various heat treatment furnaces
- Monitoring of end point and oxygen concentration of vacuum carburizing furnace
- Monitoring of freezing point and impurity of freeze dryer





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Specifications				
Qulee main body			Select from BGM2-101/102/201/202, HGM2-302 *Refer to the product catalogue for the specification of Qulee	
			Software	Qulee QCS Ver.4.0(Windows 7/8/10)
Max sampling pressure			Select from atmospheric pressure 3000Pa/500Pa/100Pa/10Pa/1Pa	
			Select from atmospheric pressure 22.5Torr/3.75Torr/0.75Torr/7.5×10 ⁻² Torr/7.5×10 ⁻³ Torr	
			Select from atmospheric pressure 30mbar/5mbar/1mbar/0.1mbar/1.0×10 ⁻² mbar	
			*Atmospheric pressure type can be used only under the atomospheric condition *3000 to 1Pa(22.5 to 7.5×10-3Torr,30 to 0.01mbar) types can be used under each pressure	
Specification pressure	Vacuum type	Gas introduction type (3000Pa~1Pa type)	Manual bellows valve (2 systems: orifice line / direct line) Mating flange/ICF070	
			Power-supply voltage	AC100-240V
	Variable leak valve type	Sampling pressure	Pressure can be controlled from atmospheric pressure to 10 ⁻³ Pa by manual adjustment	
	Atmospheric pressure type (Atmospheric pressure sampling unit) APS-001	Capillary type (100,000Pa type)	Dry pump(Sweep)	6L/min,Ultimate pressure/6700Pa
			Controller unit	Temperature contol and On/Off control of cartridge heater, On/Off control of sweep pump
			Capillary tube unit	Manual bellows valve (1 line),Cartridge heater, insulation mat,Capillary tube (already mounted), Joint fitting 1/4 "Swagelok
			Power-supply voltage	Select for AC100V/220V
Pump unit desktop YTP Desktop YTP (YTP70A-D)		Turbo molecular pump	70L/s(N2)	
		(YTP70A-D)	Dry pump(Roughing)	19L/min(Diaphragm pump)
		Power-supply voltage	AC100-240V	
Accessories			AC100V power cord(*1),Base stage for DesktopYTP(*2),AC adapter for Qulee,LAN cable(3m) for Qulee, Software installation disc,Bolt set for fixing flange,Gasket(UFC114G,UFC070G),Power strip(*3), Casters(*4),Various fixing screws	
Options			Ionization gauge package(SH2-1,Sensor head cable 2m,Cross tube ,Bolts,Gaskets),USB-LAN adapter, Switching hub(8 ports or 16 ports)(*5),Floor cart(*6)	

^{*1} Please use power code when using the device in a foreign country or a region where the electrical voltage differs from AC100V. Three power codes are necessary for atomospheric pressure sampling unit, desktop YTP, and AC adapter for Quiee.

*2 Make sure to use a base stage when installing desktop YTP. For atmospheric pressure type, it has two-stage structure so that a control unit can be attached.

*3 Power strip only comes with atmospheric pressure/AC100V type.

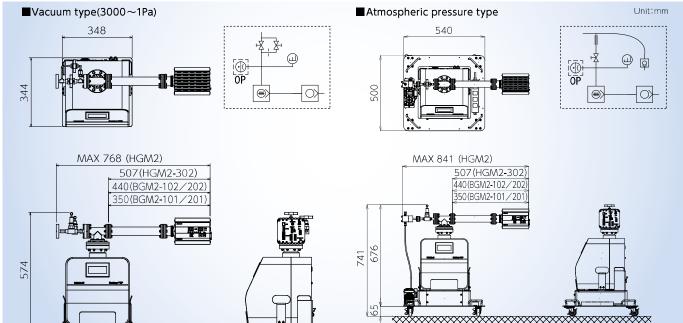
*4 Casters only come with atmospheric pressure type. Please attach casters by yourself.

*5 AC adapter is necessary for an optional switching hub.

*6 Please set up the floor cart by yourself.

*7 Desktop YTP, Qulee main body, gas inlet, and other parts will be packaged separately. Please refer to the assembly manual for set up.

Dimensions



^{*} Pump unit, Qulee main body, gas inlet, and other parts will be packaged separately. Please refer to the assembly manual for set up.

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