VACUUM COMPONENTS

Transducer Vacuum Gauge Series

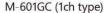
measurement range

							···	<i>-</i>					9						
			Ultra-High Vacuur								Medium Vacuum			ıum	Low Vacuum				
	(Pa)	10 ⁻⁹	10-8	10 ⁻⁷	10-6	10)-5 1	0-4 1	10-3	10-2	10 ⁻¹	1	10	10	10	10	4 10		
Capacitance Diaphragm Gauge M-342DG	The state of the s												N		л-342 DG-1	DG-1	3		
High precision, stable pressure measurement Excellent zero point stability Has low temperature dependence providing excellent stability without the need of a temperature adjustment mechanism Excellent anti-vibration noise performance		640.6)							M-	M- 342D	-342	M-3421 2DG-1N D						
Crystal Gauge M-320XG	A.	000																	
Crystal gauge is a vacuum gauge with no source of heat (filament) • Enables measurement with excellent repeatability from atmospheric pressure to 1×10 ⁻¹ Pa • High stability • Enables safe handling without affecting process gas	67	000 000																	
Pirani Gauge M-350PG (W Filament)	Section 1																		
M-351PG (Ni Filament)	8+	-																	
Good repeatability and low cost From 5×10 ⁻² Pa to atmospheric pressure Suitable for low to medium vacuum range measurements	- IN	HEILD																	
Cold Cathode Gauge M-370CG																			
Cold cathode gauge that does not use hot filament Good startability under high vacuum Eliminating undischarge and discharge delay	perior					Ī					ĺ								
Cold Cathode Pirani Gauge M-361CP																			
Wide range measurement is realized by just one gauge • Combination gauge combining pirani gauge measuring atmospheric pressure to medium vacuum and cold cathode gauge measuring high vacuum to ultra-high vacuum																			
Ion Gauge M-311HG	MATERIAL																		
Wide pressure measurement range Four emission current setting modes can be selected based on the application to improve filament life during use in high pressure range	DATE OF THE PARTY	EIM								Ī									
Crystal Ion Gauge M-336MX	Name of the last o																		
High precision with excellent repeatability in the low vacuum range • Combination gauge combining crystal gauge with miniature B-A gauge • From ultra-high vacuum to atmospheric pressure	PARELY IN THE PA	HELD see tee																	

Display (1ch type / 3ch type) M-601GC / 603GC

- 1. Gauge auto recognition
- 2. Large digital LCD
- 3. Standard equipped with RS232C interface
- 4. Excellent operability
- 5. Capable of simultaneous display (3ch)
- 6. Easy to view 3 type display (3ch)
 - Digital display
 - Trend graph (up to 18H)
 - Analog meter







M-603GC (3ch type)



VACUUM COMPONENTS

Quadrupole Mass Spectrometer

M-070QA-TDF, M-101QA-TDF M-101/201QA-TDM (transducer type)

Selectable measurement range

M-070QA: 1 to 70 m/z M-101QA: 1 to 100 m/z M-201QA: 1 to 200 m/z

Line-up of standard model and high sensitivity model



M-080QA-HPM Process Gas Monitor (transducer type)

- Operating pressure range: 2.0 Pa and lower
- · Detecting H2 with high sensitivity in deposition process
- · Both sputtering process monitoring and residual gas analysis



M-401QA-MG/U

- High-speed Measurement (M-401QA-MGS □/MUS□)
 Obtains m/z 1 to 410 data at 1-second intervals
- High-sensitivity (M-401QA-MGH □/MUH□)
 Minimum detectable partial pressure ≤1.0×10⁻¹² Pa
 8-digits dynamic range (M-401QA-MGH □)



**The square at the end of the model name differs depending on the filaments.

Helium Leak Detectors

Features

- Simple operation
- Excellent measurement stability, sensitivity and response
- Portable
- Tablet type controller (option)



VACUUM COMPONENTS

Sealed Transmissive Microfocus X-Ray Source Series

X-Ray Source Unit for 2 micron AXI

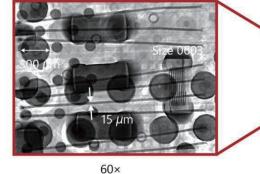
Features

- · Maintenance-free target , Long-term storage is possible
- · Self-diagnosis of X-ray tube lifetime
- Widely dealing with analysis of semiconductors and electronic components
- Provide the most suitable X-ray source to a use



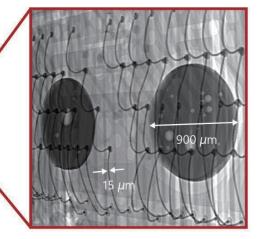
Image examples



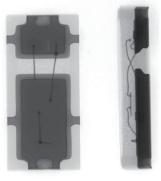




2.5×



Mini-LED



31x

