

■ Ordering information

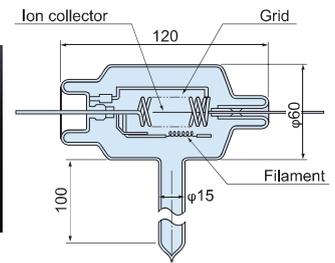
Parts Number	Model	Description	Remarks	Code
0160-01234	MG-2	Miniature B-A Gauge Head	Mount area $\phi 15$ type	21160
0160-01268	MG-2F	Miniature B-A Gauge Head	With $\phi 70$ ICF	21161
0160-01284	MG-2M	Miniature B-A Gauge Head	Mount area $\phi 18$ type	21162
H21-03193	MG-2I/NW16	Ion Gauge (w NW16)	With NW16	21163
H21-03194	MG-2I/NW25	Ion Gauge (w NW25)	With NW25	21164
H21-03195	MG-2I/ICF34	Ion Gauge (w $\phi 34$ Mini Flange)	With $\phi 34$ ICF	21165
P25-04306	MG-2/ICF70	Miniature B-A Gauge Head with $\phi 70$ ICF	With $\phi 70$ ICF	21166
B23-01688	MG-2WF	Miniature B-A Gauge Head	Tungsten filament type, mount $\phi 15$ type	21170

Note) Contact us for more information about CE (RoHS).

B-A Gauge UGD-1S

This is a sealed glass tube type B-A ionization vacuum gauge measurement for measuring pressure in the 10^{-2} Pa and under range.

The UGD-1S is a Kovar glass sealed B-A gauge. The grid is made of tungsten and degassing is performed by electrical heating. Therefore, pressure can be measured even during degassing. A connector type (socket type) cable connection is used to provide a simple, firm and safe connection.

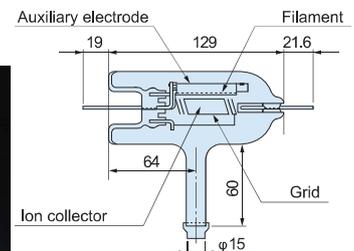


Wide Range B-A Gauge BRG-1B

This is an improved B-A gauge with a wider measurement range at high pressure. Degassing is performed by grid electrical heating similar to the UGD-1S. A thorium coated iridium filter is used to enable high pressure measurement. A connector type (socket type) cable connection is used to enable easy and secure attachment and removal.

The connection with the vacuum equipment uses a $\phi 15$ adapter or is glass sealed to a glass adapter with $\phi 70$ ICF attached.

* Patent No. 1623097



■ Specifications

Type		UGD-1S	BRG-1B
Gauge Type		B-A Gauge	Wide Range B-A Gauge
Shape		Glass tube	
Connection with measured vacuum chamber		φ15 gauge port (O ring)	
Recommended measurement range		10 ⁻⁶ to 0.1Pa	10 ⁻⁶ to 10Pa
Standard sensitivity		0.075Pa ⁻¹ with respect to N ₂	
X ray limit		Approx. 1.3 x 10 ⁻⁸ Pa	
Baking temperature		400°C (150°C or less with O-ring seal)	
Material	Filament	Tungsten (x2)	Thoria coated iridium (x1)
	Body	Kovar glass (vacuum sealed)	Tungsten glass (open)
Supported vacuum gauge power supply		M-723HG	M-823HG
Applications		General vacuum use	B-A gauge, sputter etc. measurable up to high pressure (10Pa) B-A gauge, sputter, etc.

■ Options

Glass gauge (UGD-1S, BRG-1B, LG-11S) with a glass adapter with φ70ICF attached (welded) are also available. We can customize the connection direction and length according to your specifications.

■ Ordering information

Parts Number	Model	Description	Remarks	Code
P25-05688	BRG-1B	Wide Range B-A Gauge Head	Mount area φ15 type	21225
P25-02463	952-7860	BRG-1 Vertical Type Wide Range B-A Gauge Head	With φ70ICF glass adapter	21133
P21-02260	952-7861	BRG-1 Horizontal Type Wide Range B-A Gauge Head	With φ70ICF glass adapter	21132
783-5285	UGD-1S	B-A Gauge Head	Socket type	21121
VMT-9304	952-7850	UGD-1S Vertical Type B-A Gauge Head	With φ70ICF glass adapter	21130
VMT-9305	952-7851	UGD-1S Horizontal Type B-A Gauge Head	With φ70ICF glass adapter	21131

Note) Contact us for more information about CE (RoHS).

Nude Ion Gauge NIG-2F/NIG-2TF

This gauge directly mounts a B-A type electrode on a flange. This is directly attached to the equipment making it ideally suited for ultra-high vacuum measurement without any errors due to feedthrough. Platinum-clad molybdenum wires are used for the grid to minimize errors due to gas contamination.

A connector type (Canon plug type) cable connection is used to provide a simple, firm and safe connection. The NIG-2F uses a tungsten filament. In addition, the NIG-2TF uses a yttria coated filament, which lowers the operating temperature, suppresses degassing, and improves ultra-high vacuum measurement.

