

Ionization Vacuum Gauge GI-D7

This series is hot cathode type ionization vacuum gauge, capable of measuring pressure in the 9.9 to 5×10^{-8} Pa (7.4×10^{-2} to 3.75×10^{-10} Torr, 9.9×10^{-2} to 5×10^{-10} mbar) (Metal gauge, GI-M2), 6.7×10^{-1} to 1.3×10^{-6} Pa (5×10^{-3} to 9.75×10^{-9} Torr, 6.7×10^{-3} to 1.3×10^{-8} mbar) (Glass gauge, GI-D7) range using triode tube or B-A type sensor heads.



GI-D7



MT-G1

Features

- **Measures a Wide Pressure Range**
Can measure a wide pressure range from 9.9 to 5×10^{-8} Pa (GI-M2) (7.4×10^{-2} to 3.75×10^{-10} Torr, 9.9×10^{-2} to 5×10^{-10} mbar)
- **2 Types Vacuum Tube, Metal and Glass**
Sensor head selected depending on the application (bare type also available)
- **Strong Metal Vacuum Tube**
Small-sized metallic sensor head prevents it from breaking (GI-M2)
- **Sensitivity Setup**
Sensitivity setup can be changed for different gases. Allowing even more accurate pressure measurement.
- **Range Hold Function**
Ideal for fixing the measurement range
- **Control Output Signal**
2 set point output
- **Operable at Whole Function Front Panel**
Switch 1/2 filament, sensitivity setting, range hold function, degas function
- **Serial Communication Specification**
RS232C communication

- **Digital Output**
BCD output
- **Measured Value Output Signal**
Pressure is 0 to $10V$ Log output (pseudo-log output)

Applications

- **GI-D7**
Vacuum heat treatment furnace
Vacuum brazing furnace
Vacuum evaporation system (diffusion pump type)
Process control for furnaces and other industrial equipment

PLEASE NOTE: Model GI-M2 has been discontinued

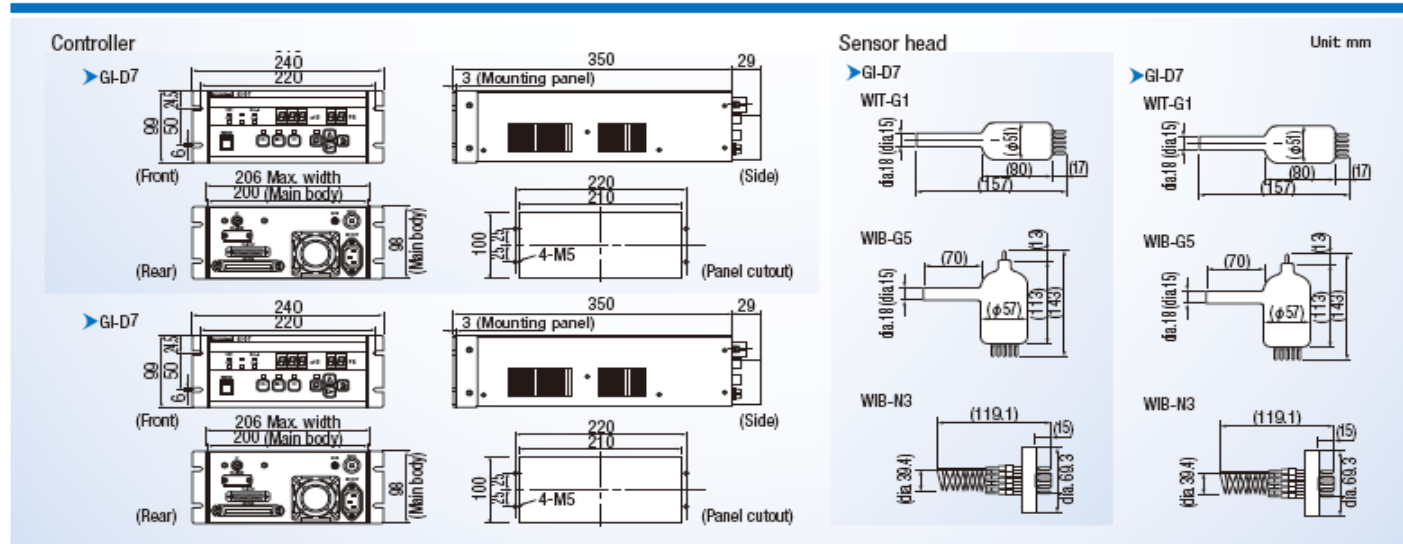
Ionization Vacuum Gauge GI-D7

Specifications

Product name	Glass Ionization Vacuum Gauge	
Model	model GI-D7	
Measurable pressure range	WIT: 1.30×10^{-4} to 6.7×10^{-1} Pa (9.75×10^{-2} to 5.03×10^{-2} Torr, 1.30×10^{-2} to 6.7×10^{-2} mbar) WIB: 1.30×10^{-4} to 2.3×10^{-2} Pa (9.75×10^{-2} to 1.73×10^{-1} Torr, 1.30×10^{-2} to 2.3×10^{-1} mbar)	
Accuracy	$\pm 15\%$	
Pressure indication	Digital indication 2 digit mantissa, 1 digit exponent	
Compatible sensor head	WIT-G1, WIB-G5, WIB-N3	
Sampling time	100ms	
DEGAS	Direct electrical heating of grid AC power 1.5VA	
Functions	Range hold function, Gas sensitivity setting, Filament selection	
Measurement value output	linear output 0 to 10 VDC, Pseudo-logarithmic output 0-10VDC (1V linear signal in each digit)	
Control input	REMOTE/LOCAL, Filament ON/OFF, Filament 1/2, DEGAS ON/OFF, Range hold	
Control output	Analog output (0-10V), BCD output, Filament ON/OFF, Emission current setting, Degassing ON/OFF	
Set point (contact point capacity)	2 points (AC125V _{max} , 0.5A _{max} / DC24V _{max} , 1.0A _{max})	
Serial communication spec	RS232C	
Operating temperature range	10 to 40 °C (50 to 104°F)	
Operating humidity range	15 to 18% (not condensing)	
Power supply voltage	AC100 $\pm$ 10V 50/60Hz, 60VA	
Fuse	BS. SEMKO 3.15A (2pcs)	
External dimensions W×D×H	240mm×380mm×99mm	
Weight	5.6kg	
Standard accessories	Power cord	3P Plug with ground
	Connector	For external input / output
	Instruction manual	1 copy
Options	Sensor cable	4, 10, 15, 20, 25, 30m
	Gauge head	Triode type glass gauge: WIT-G1 B-A type glass gauge: WIB-G5 B-A type nude gauge: WIB-N3

PLEASE NOTE: Model GI-M2 has been discontinued

Dimensions



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