

IGM-401 Bayard-Alpert Vacuum Gauge

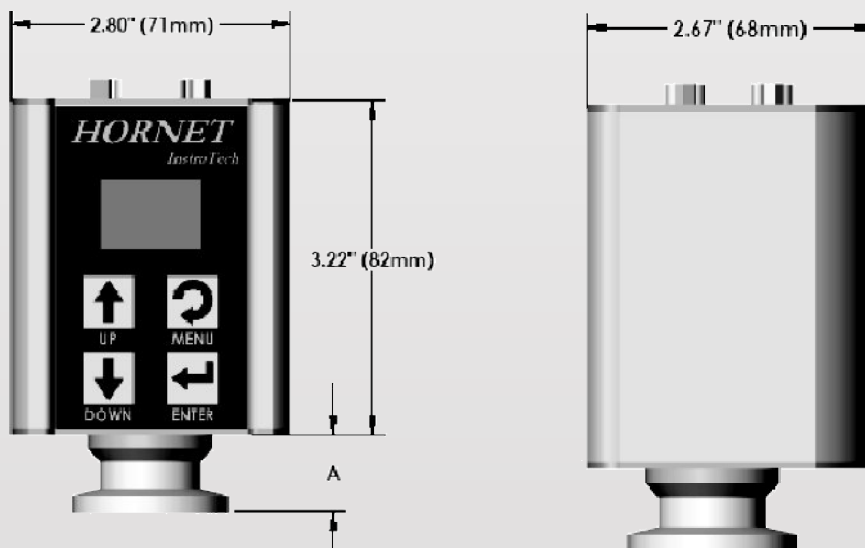
Active Hot Cathode Ionisation Sensor for fine and high vacuum with digital display, setpoint relay and digital interface

- Completely redesigned hot cathode ionisation sensor
- Robust, compact metal construction
- Dual cathode filament
- High measuring stability and repeatability
- Replaceable sensor gauge head
- Well readable OLED eases
- Log-linearer analog output
- Relay setpoint
- Serial Interface
- Degas function
- Compatible to Granville-Phillips® Micro-Ion® modules



Technical data

Measurement range	6.7 x 10 ⁻² to 1.3 x 10 ⁻⁹ mbar
Principle of measurement	hot cathode ionisation vacuum gauge according to Bayard-Alpert
Sensitivity	factory set, user adjustable between 2 to 99 / Torr
Display	OLED, 5-digit (3 x mantissa, 2 x exponent), yellow, other displays for filaments, gas type, measuring unit
Measuring unit	mbar, Pa, Torr
Operating temperature	0 to 40 °C
Bakeout temperature	max. 200 °C
Materials exposed to gases	tungsten, platin, molybdenum, stainless steel
Filament material	yttria coated iridium
Number of filaments	2
Mounting orientation	arbitrarily
Analog output	log-linear, 0 to 9 V DC (1 V / decade)
Digital interface	RS-485
Setpoint relay	1 relay, max. 30 V / 1 A
Input power	20 to 28 V DC
Power consumption	14 W
Electrical connexion	9 pin Sub-D-Plug
Weight	0.27 kg



Order data

Order Code	Description	A (mm)
IGM401YCD	IGM-401, DN25KF	37
IGM401YFD	IGM-401, DN35CF	43
PS501-EU	Power supply 24 V DC, 90 – 240 V AC	43

VACOM

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