

Gatch系列冷阴极电离真空计

GATCH-SERIES COLD CATHODE ION GAUGE

ULVAC

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传感器单元SC1-N

SC1-N为磁控管式冷阴极电离真空计。因为未使用灯丝，所以无需担心传感器的损耗。维修简单，成本低。另外，构造设计便于维修，运行成本较低。

Sensor Unit SC1-N

SC1-N is a magnetron type cold cathode vacuum gauge. Since no filament is used, long lifetime between gauge head maintenance is expected. Because there are no filaments to burn out, the gauge is also undamaged by accidental exposure to atmospheric pressure. Easy maintenance also reduces the cost of ownership.

■ 特长

- ◎ 无需压力显示的情况下：因构造上删除了显示部分，成本降低。
- ◎ 使用电源DC24V
- ◎ 维修简单
- ◎ 能实现模拟信号输出和开关信号（2点）输出。

■ 用途

- ◎ 可用于半导体、电子元件为主的各种真空装置的程序控制。
- ◎ 可用于真空炉为主的各种产业机器的过程管理。

Features

When the pressure display is not required, the following advantages can be realized: Vacuum gauge cost is reduced because the display has been eliminated.
Operated by DC24V
Easy maintenance
Output of analog signal and 2 set points is possible

Applications

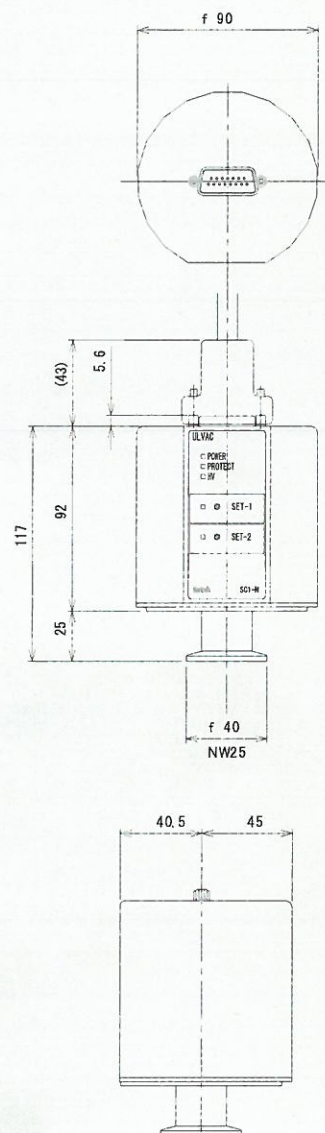
Process control in the pressure range of precision vacuum equipment used for semiconductor, optics and electronic parts manufacturing.
Process control in low vacuum range for industrial equipment such as furnaces.

技术参数表 Specifications

名称 Model	冷阴极电离真空计 model SC1-N
适用的规管 Compatible sensor head	C-25-N
压力测量范围 Measurement pressure range	$1.0 \times 10^{-5} \sim 1.0 \text{ Pa}$
使用温度范围 Operating temperature range	$10 \sim 40^\circ\text{C}$
数据输出 Measurement value output	DC 0V~10V 非线性 (HV-OFF的时候、10V) Nonlinear output: 0 to 10VDC
设定点工作信号-1/2 Pressure setting adjustment monitor	DC 0V~10V 非线性 非线性输出: 0V~10V Nonlinear output: 0 to 10VDC
控制输入信号 Control input signal	HV ON/OFF
输出信号 Type of output signal	集电极开路输出、负逻辑 Open Collector output, negative logic
控制输出信号 Control output signal	放电确认信号 Electrical discharge confirmation signal
	设定点工作信号-1/2 Setpoint actuating signal 1/2
LED显示 LED display	POWER, HV, SETPOINT1/2
使用电源 Power requirement	DC24V $\pm 2\text{V}$ 、150mA
输入输出插头 Input/Output connector	D-sub15插头 (M2.6螺钉) D-sub-15P (M2.6 screw)
本体重量 Weight	330g(不包含规管) (Excluding sensor head)
附件 Standard accessories	D-sub15 插头 (M2.6螺钉) 1个 Connector 1pc
	使用说明书 1本 Instruction Manual 1pc

*IO和模拟的GND不可与电源的GND分离
IO and analog GND are not isolated from the power GND.

尺寸图 External Dimension Diagram



连接示意图 Wiring diagram

