



## **VGI-100 - Summary of Features**

### **1. General.**

The VGI-100 is designed to provide a convenient interface between four vacuum gauges and the VCP-800 vacuum pumping station controller.

The VGI-100 could also find application in other vacuum control systems where the ability to connect vacuum gauges locally to an isolated communications network is required.

This document summarises the principal advantages of the VGI-100.

### **2. VGI-100 Features**

- ◆ Four RJ45 (FCC-68) connectors allowing the convenient direct connection of four analogue vacuum gauges from a wide range of manufacturers including Pfeiffer, Inficon, Edwards etc.
- ◆ Serial port can be configured for RS485 or RS232 operation. RS485 supports networking so that several VGI-100 units may be connected on the same communications port.
- ◆ Serial port protocol can be chosen to suit application. Standard version is designed for use with the VCP-800.
- ◆ Requires +24Vdc for correct operation (current consumption depends on connected vacuum gauges, typically 1A PSU is recommended).
- ◆ DIN rail mounting case is identical to that used for the FLM-100 water flow monitor. Approximate dimensions 110 × 90 mm. Height above the DIN rail is approximately 60 mm.
- ◆ The VGI-100 is supplied with full input and output pin connection documentation together with serial port protocol documentation.

### **3. Available Accessories.**

Cigol Controls can supply various accessories that make the use of the VGI-100 even more convenient. These include a Pfeiffer gauge to RJ45 / FCC-68 VGI-100 lead and an RJ45 / FCC-68 to RJ45 / FCC-68 VGI-100 lead.