V:kit

Take Control

IQ/OQ/PQ Kits, Tools and Software
for Analytical Instrument Qualification

VKIT-DMA2
GC Pressure Meter

Specifically designed for gas chromatography, VKIT-DMA2 enables simple and accurate measurement of pressure in GC Inlets.

Measuring pressure accuracy and leak tightness is important. VKIT-DMA2 is the perfect tool for field service engineers and laboratory personnel performing OQ/PQ and other routine performance verification activities. It is supplied with an adaptor assembly allowing simple connection to GC inlets. The protective rubber boot includes a magnetic holder, for attaching the unit during use to the GC oven door.

Pressure Readings are displayed on a large, easy to read LCD in psi, kPa, kg/cm2 and other units.

VKIT-DMA2 is supplied with a certificate of calibration. A USB port is provided for connection to a PC, enabling compliance with the data integrity demands required in GxP environments.

Using VKIT-DMA2 with the optional AutoPressure software enables automated collection and reporting of pressure values.

Pressure Meter specifications

- **Accuracy ≤ 1.0% of full scale at 25.0°C**
- **Resolution: 0.1psi**
- **Range: 0-100 psi**
- **Precision: ≤0.5% of full scale**
- **Display units: psi, kPa, mmHg, kg/cm2, mbar(hpa), bar, inH20, cmH20, inHg, ftH20, oz/inch2, cmH20**
- **Calibration: Multi-point (0,10,15,25 & 50psi) with certificate of calibration**
- **Display: Backlit LCD 30 x 51mm**
- **Serial output to PC (requires optional cable)**
- **Dimensions: 182 x 72 x 30mm (L x W x D)**
- **Weight: 200g**
- **Battery: 9V, PP9 or equivalent**
- **Protective rubber boot including stand and magnetic holder**
- **Auto-Power off function**
- **Supplied with VKIT-DMA-003 inlet adaptor**

Simplifies GC pressure testing

About V:Kit

V:Kit specialise in delivering solutions for Analytical Instrument Qualification. With a comprehensive range of measuring tools, software, protocols, standard operating procedures and certified standards, V:Kit products are used by OEMs, service providers and pharmaceutical laboratories worldwide.

Take control of your qualification needs with V:Kit.

Includes VKIT-DMA-003 inlet adaptor

Inlet adaptor

VKIT-DMA2 is supplied with a universal inlet adaptor. The adaptor includes a stainless-steel capillary tube used to connect directly to most GC inlets with the OEM's column nut and ferrule. Included with the adaptor are an Agilent capillary column nut and ferrule, used in 6890/7890 GCs and the older HP 5890.

This allows inlet pressures to be tested without removing the inlet liner.

Alternatively, pressures can be measured through the inlet septum without removing the column.

GC Tools

The V:Kit tool range for GC systems includes

VKIT-GFM3 gas flow meter

VKIT-DTM2 2-channel thermometer with optional GC software.

VKIT-1531, 2-channel printing thermometer with built-in printer for simple, effective traceability.

VKIT-1517 GC Inlet Probe – a thermocouple probe with 51mm needle specifically for easy temperature measurement within GC inlets.

VKIT-1521 GC Inlet Probe has a 150mm needle, necessary for some GC inlets.

VKIT-1519 GC column oven probe has a 1.0 metre flexible stainless steel body with a Type K thermocouple mounted at the tip.

Ordering codes

VKIT-DMA2	V:Kit GC Pressure Meter, with calibration certificate

Ordering information

Order online at www.v-kit.com.
We accept payment with VISA, MasterCard and Bank Transfer in EUR, USD and GBP currencies.

Or send your Purchase Order to sales@v-kit.com.

V:Kit 5 AIQ Software

VKIT-DMA2 is compatible with V:Kit 5 analytical instrument qualification software. Qualify your laboratory systems with a 21 CFR Part 11 compliant package

- Generate comprehensive qualification documents with full traceability,

- Create, manage, and distribute secure, version controlled executable qualification protocols directly linked to Standard Operating Procedures and Certificates of Analysis.

- Manage your Analytical Equipment database.

- Share qualification results and protocols with your team. User account management with password expiry and security roles.

- Electronic Signatures, Audit Trail, Deviation Reporting.

Available for HPLC/UPLC, GC/GCMS, LCMS and MS/MS, Dissolution and UV-Vis.

V5-3001 GC Software

GC Software includes a wide range of tests for IQ/OQ/PQ for most GC configurations – FID, ECD, TCD, MS, with liquid or headspace.

- Inlet Pressure Accuracy
- Flow Rate Accuracy for inlet gases – split and purge
- Flow Rate Accuracy for detector gases
- Inlet temperature
- Column Oven Temperature Accuracy and Stability
- Column Oven Accuracy across Operating Range
- Injection Precision and Carryover (including RT precision)
- Response Linearity FID
- Noise and Drift
- Signal-to-noise