VKIT-DTM2 2-Channel Digital thermometer

Ideal for use for HPLC and GC testing, VKIT-DTM2 is a 2-Channel digital thermometer which enables simple and accurate measurement of temperatures in chromatographic systems using a range of customised thermocouple probes.

Supplied with a certificate of calibration and in a robust carry case, VKIT-DTM2 is the perfect tool for field service engineers and laboratory personnel performing OQ/PQ and other routine performance verification activities. The unit's protective rubber boot includes a magnet (useful to attach the thermometer to metal GC oven doors) and a built-in stand.

Temperature values are displayed in units °C or °F, on a large LCD screen. A USB port is provided for connection to a PC, enabling compliance with the data integrity demands required in GxP environments.

Using VKIT-DTM2 with the optional AutoTemp software enables automated collection and reporting of temperature values: particularly useful when measuring the multiple zones found in GC or HPLC/UPLC systems.

DTM2 improves on the classic, proven VKIT-1531 design by adding a larger LCD display and improved connectivity via USB.



Simplifies testing of GC zones



VKIT-1517 inlet probe

Thermometer specifications

- Range and Accuracy (Type K)
 -200-1370°C, +/-(0.1% rdg +0.7°C),
 -328-2498°F, +/-(0.1% rdg +1.4°F)
- Resolution: 0.1°C (in range of -200-650°C)
- Multi-point calibration (0, 25, 50, 100, 250 & 400°C.) with calibration certificate
- Backlit LCD display size: 30 x 51 mm
- Dual input (for Type K, J, and T thermocouples)
- Supplied with 2 x VKIT-1516 Type K thermocouple probes
- Serial output to PC (requires optional cable)
- Dimensions: 182 x 72 x 30mm (L x W xD)
- Weight: 150g
- Battery 9V, PP9 or equivalent
- Protective rubber boot including stand and magnetic holder

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.

Thermocouple Probes

VKIT-DTM2 is supplied with VKIT-1516 - two general purpose Type K Thermocouple probes.

These are useful for low temperature applications ($2-90\,^{\circ}$ C) such as HPLC column compartments. V:Kit has developed a range of specialised thermocouple probes to simplify the task of making accurate and reliable measurements.

VKIT-1517 GC Inlet Probe has a Type K thermocouple mounted at the tip of 51mm needle. This allows temperature measurement of the inlet at precisely the position that the tip of a standard injection syringe would reach when injecting a sample. Most manufacturers split-splitless and packed inlets are compatible with this probe including Agilent, Shimadzu and Perkin Elmer.

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

* Note thermocouple probes are supplied without calibration. To specify calibration add a RECAL-VKIT-151X part code to your order.

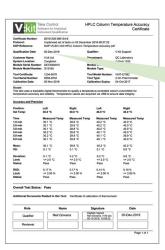
VKIT-1519 GC column oven probe has a 1.0 metre flexible stainless steel body with a Type K thermocouple mounted at the tip. It can be inserted between the GC oven wall and door without damaging the probe.

VKIT-1514 Autosampler/Sample Manager Probe, has a Type K thermocouple mounted in a 2ml autosampler vial (12x32 mm) shaped body. The base of the vial has a stainless-steel base to ensure good contact with the sample compartment of an autosampler and high thermal mass for measurement stability.

GLP / Data Integrity

AutoTemp is an optional software module. It is available as standalone (temperature only) or as part of the V:Kit 5 Analytical Instrument Qualification package.

Temperature values are read directly from the thermometer into V:Kit AutoTemp software to produce an audit-friendly and traceable calibration report which evaluates the temperature accuracy and precision of your GC, HPLC and UPLC equipment.



Typical Temperature Report



More about V:Kit 5.1 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.

Ordering codes

VKIT-DTM2	V:Kit 2-Channel Digital Thermometer, with calibration certificate
VKIT-1514	HPLC autosampler tray probe
VKIT-1516	HPLC column oven temperature probe (x2)
VKIT-1517	GC inlet (split-splitless and packed) temperature probe
VKIT-1519	GC column oven temperature probe
V5-0011	AutoTemp Starter Bundle, includes software licence and USB cable

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.