



## Take Control

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

## VKIT-1531 2-Channel printing thermometer

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**Ideal for use for HPLC and GC testing, the V:Kit 2-Channel Printing thermometer enables simple and accurate measurement of temperatures in chromatographic systems using a range of customised thermocouple probes.**

Supplied in a robust carry case, the VKIT-1531 is the perfect tool for field service engineers and laboratory personnel performing OQ/PQ and other routine performance verification activities.

The built-in printer records temperature values and a time/date stamp providing simple, effective traceability. The output is to plain paper to assist with long-term storage of raw data.

### 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, R, S, T and E thermocouples.)**
- **Supplied with 2 x VKIT-1516 Type K TC probes**
- **Built-in printer using thermal paper rolls**
- **Dimensions: 182 x 72 x 30mm (L x W x D)**
- **Weight: 150g**
- **Battery 4 x 1.5V AA or equivalent**
- **Supplied with sturdy carry case**



Measure column compartment temperature with the supplied VKIT-1516 probes



Measure GC inlet temperature with the VKIT-1517 inlet probe

## 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

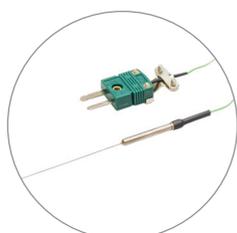
VKIT-1531 is supplied with VKIT-1516 - two general purpose Type K Thermocouple probes. These are useful for low temperature applications (2 – 90 °C) such as HPLC column compartments.

V:Kit has developed a range of specialised thermocouple probes to simplify the task of making accurate and reliable measurements.



HPLC  
Autosampler 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.



GC Inlet  
Temperature Probe

**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 PerkinElmer.



GC Column Probe

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

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

## PC Software

The V:Kit tool range also includes an alternative thermometer, VKIT-DTM2 with optional PC software connectivity.

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.

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### 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-1531	2-Channel Printing 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](http://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](mailto:sales@v-kit.com).