

Fast Temperature Programmer

- For use with nickel-wire and nickel-clad resistively-heated columns
- Programmable 8-state temperature profile
- Compatible with any GC or analyzer
- User-friendly Windows-based control and monitor program
- OEM and end user versions available



General Description

The VICI fast temperature programmer is designed for precise temperature programming with rapid heating and cooling of a low mass nickel-clad or nickel-wire column. The column is *resistively-heated* by applying a low-voltage current to the column coating or wire, eliminating the need for a traditional GC column oven and heating element with their power and space requirements. Column temperature is controlled by regulating the amount of current, with a small fan for quickly cooling the low-mass column to near-ambient temperature.

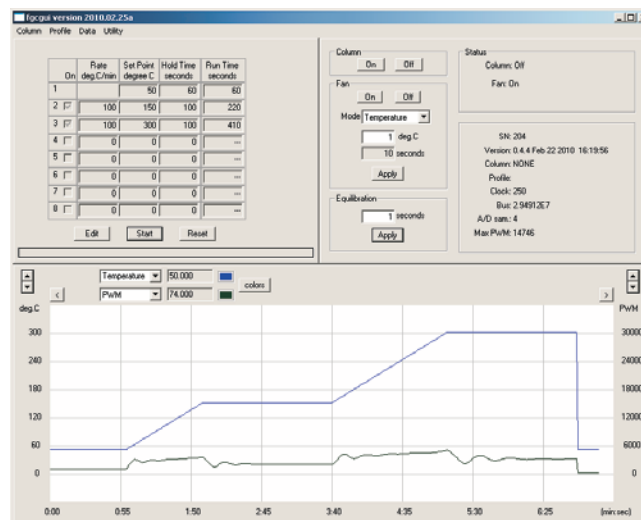
These features plus speed, compact size, and low power requirement make this unit an ideal component in fast, portable GCs, but it can be easily employed on any GC or analyzer.

Specifications

| | |
|---------------------------------|----------------------|
| Power supply | Transfer line |
| Programmable temperature states | 8 |
| Maximum ramp rate: 5m column | 1,200°C/minute |
| 15m column | 500°C/minute |
| Accuracy: Isothermal | 0.1°C |
| Programmed | < 0.5°C (most cases) |
| Interfaces | USB |
| | I ² C |
| Fan modes | 4 |

Control Program

The Windows-based control program facilitates simple creation of temperature profiles with as many as eight states, and allows multiple columns to be tuned with each configuration saved for reloading. Multiple data parameters can be graphed, with data logged and analyzed.

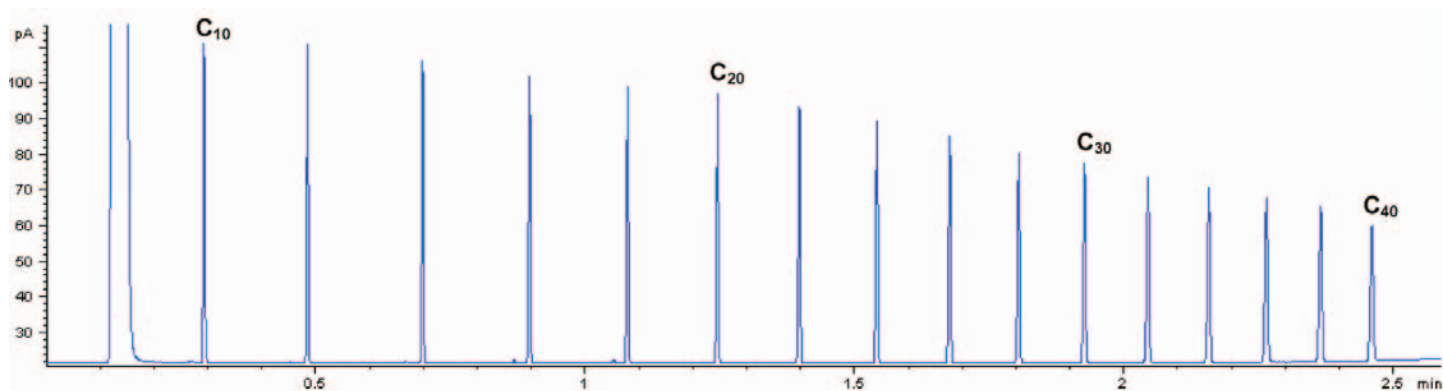


Product Number

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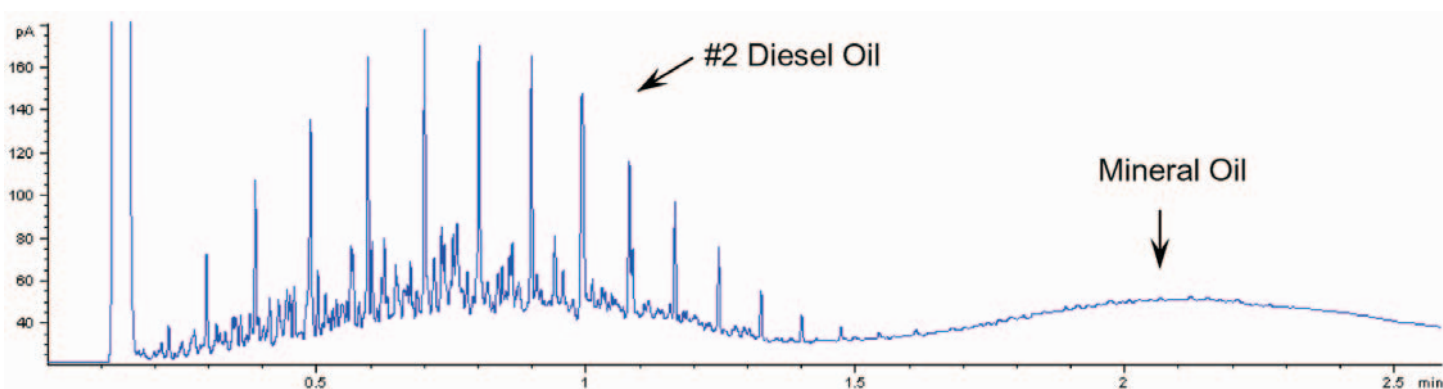
FTP-100

***n*-C₁₀ to *n*-C₄₀ Hydrocarbons**



Column: VB-5, 5 m x 0.10 mm x 0.10 μ m, Nickel-wire
70°C to 360°C at 120°C/minute
Detector: FID, 350°C
Carrier: 3.2 ml/min helium
Injector: Split 40:1, 50 psi, 280°C

#2 Diesel plus Mineral Oil



Column: VB-5, 5 m x 0.10 mm x 0.10 μ m, Nickel-wire
70°C to 360°C at 120°C/minute
Detector: FID, 350°C
Carrier: 3.2 ml/min helium
Injector: Split 40:1, 50 psi, 280°C



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