



EDU-CHEM INNOVATIONS

THE ONE STOP SOURCE FOR ALL YOUR SCIENCE TEACHING AND RESEARCH NEEDS!

TOGETHER WITH

**FUN-
SCI**

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"FUN-Science Academics" Group

Lab experiments included
with most equipment.
Only from Edu-Chem!

EDUCATIONAL GAS-LESS™ CCD OR He-TCD GC SYSTEM



- CCD or Universal TCD Detector
- On-Column Injector
- Built-in Air Compressor or He Gas Line Kit
- Compatible with MeasureNet Interface
- 1-meter Hayesep-D Column
- Adapters for Meagabore Cap Columns
- **INCLUDES COMPLETE SET OF FUN-SCIENCE EXPERIMENTS AND 24/7 TECHNICAL SUPPORT ONLY AVAILABLE THROUGH EDU-CHEM!**

The popular Educational TCD and Field Portable Gas-less Educational GC systems are ideal for undergraduate chemistry classes where the principles of chromatography are demonstrated on the same equipment students will encounter in industry.

Data Handling for the Educational GC systems can be done with either the built-in, single channel PeakSimple data system, which provides powerful yet easy data acquisition, as well as temperature programming for the column oven or the MeasureNet Network Systems. Fast cool-down fans automatically cool the column oven at the end of the analysis from 250°C to 50°C in less than five minutes.

The Gas-less Educational GC includes a built-in "whisper-quiet" air compressor and a CCD detector. The CCD detects combustible (hydrocarbon) molecules, and it operates on air carrier gas from the internal air compressor. This GC is perfect for teaching situations where compressed gas cylinders cannot be used due to safety considerations or budgetary limitations. Because it operates on its own infinite supply of room air, the Gas-less GC may be used to perform demonstrations in the classroom, instead of the lab.

The TCD operates on Helium carrier gas, as most GC Systems in a Lab environment and includes a traditional 4-filament Thermal Conductivity Detector (TCD) that can heat to 275°C. The column oven is programmable to 400°C. Electronic Pressure Control (EPC) for the carrier gas provides rock-solid retention time reproducibility.