PRODUCT DATASHEET

Educational Core Analysis Instrument Set

Petroleum engineering teaching laboratory





DETAIL – GAS AND LIQUID PERMEAMETERS

OVERVIEW

The Tech Inc. Educational Core Analysis Instrument Set is a set of compact, safe bench instruments that teach the core measurements of petroleum engineering: gas permeability, liquid permeability, helium porosity and formation resistivity. Each unit shows the physics clearly and gives results students can compare with handbook values.

MODELS AND CONFIGURATIONS

- **Four-instrument set** – permeability, porosity and resistivity.
- **Single instruments** – to complete an existing laboratory.
- **With capillary pressure** – gravimetric capillary pressure unit added.

TYPICAL DESIGN DATA

Model	TI-EDU-400 series
Core size	1 and 1.5 inch diameter
Gas	Nitrogen or air; helium for porosity
Pressure	Low pressure, below about 15 bar
Supplied with	Sample cores, manual and worked examples

APPLICATIONS

University petroleum, geology and chemical engineering laboratories, and company training centres.

KEY ADVANTAGES

- **Safe** – low pressure, bench-top units
- **Clear** – each principle visible
- **Complete** – cores and manual included
- **Durable** – built for student use

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

Offices: Chennai · Toronto · Tallinn · Al Khobar

mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

Disclaimer: All products, designs and content are the property of Tech Inc. Tech Inc. reserves the right to change specifications and details without notice. Images are for representation only; the supplied equipment may differ in appearance. Data are typical; final design to client specification.