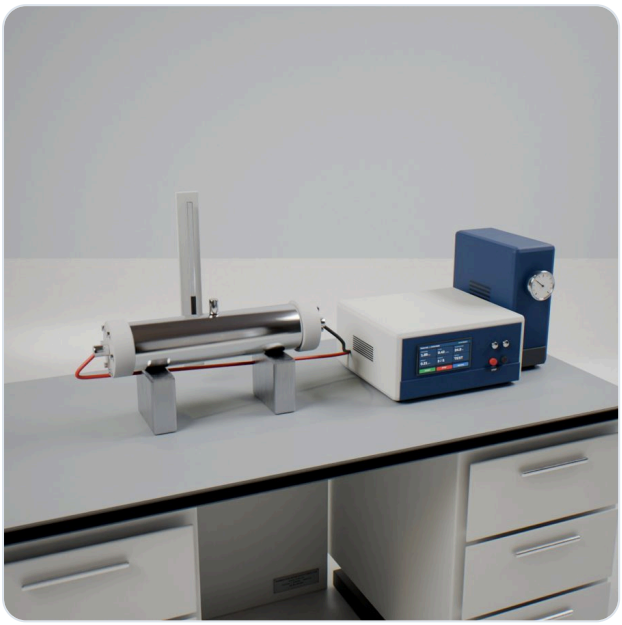
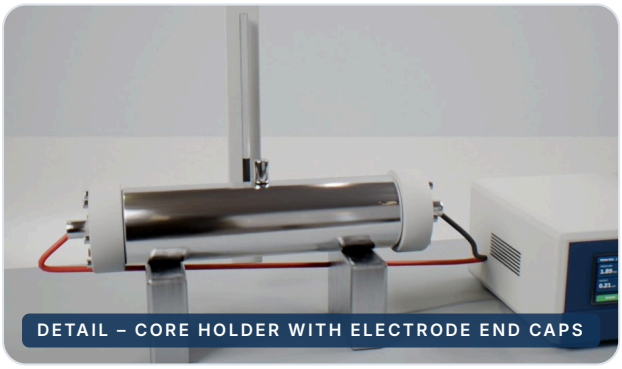
PRODUCT DATASHEET

Formation Resistivity and Capillary Pressure Tester

Archie parameters for log interpretation





DETAIL – CORE HOLDER WITH ELECTRODE END CAPS

OVERVIEW

The Tech Inc. Formation Resistivity and Capillary Pressure Tester measures the electrical resistivity of brine-saturated cores to give formation factor and, while the core is desaturated on a porous plate, resistivity index against water saturation. The results give the Archie cementation and saturation exponents used to interpret resistivity logs.

MODELS AND CONFIGURATIONS

- **Formation factor model** – saturated cores only.
- **Resistivity index model** – with porous plate desaturation.
- **Under-stress model** – net confining stress.

TYPICAL DESIGN DATA

Model	TI-FRT-300 series
Frequency	1 kHz typical, range selectable
Measurement	Two- and four-electrode
Core size	1 and 1.5 inch diameter
Confining pressure	Up to about 140 bar standard
Outputs	FF, RI, a, m, n

APPLICATIONS

Petrophysics laboratories calibrating resistivity logs, saturation-height studies and carbonate rock typing.

KEY ADVANTAGES

- **Accurate** – four-electrode option removes contact errors
- **Combined** – capillary pressure and resistivity on the same cores
- **Realistic** – confining stress
- **Clear** – Archie plots and reports

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

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