



# MTE - FORMATION RESPONSE TESTER (F.R.T.-G/L)

MODEL No. CT-002

## DESCRIPTION

The F.R.T. - G/L is a high temperature, high pressure test apparatus designed to measure formation (core) response to acids, brines and/or oils, and formation permeability to gas.

This instrument is the latest model in a series of acid response (ARC) testers used throughout the oilfield industry. Its unique design permits easy testing of the response of acids, bases, oils, or gas on formation cores at simulated downhole conditions (temperature and pressure). The F.R.T. - G/L is equipped with a modified Hassler sleeve core holder assembly capable of handling core samples of 1 inch diameter by 1 to 4 inches in length. Some of the features incorporated into the F.R.T. - G/L are:

- High pressure, chromatograph pump fluid delivery system (0-2,000 psig)
- Dual heating system for adjusting treating fluid temperature and formation temperature (23° C to 150° C)
- Digital pressure recorders and corrosion proof transducer isolation system
- Piston drive fluid reservoirs to eliminate treating fluid contamination and multiphase flow
- Directional flow into the core sample from either end using a 1,2,3 step valve sequence
- Back pressure system for testing acids at elevated temperatures (50-1,500 psig)
- Precision parts and high pressure, corrosion resistant construction The F.R.T. - G/L was designed for the operator to provide easy and safe operation, accurate data for effective job design, and simple cleanup and storage.

## CERTIFICATION

The MTE F.R.T. - G/L is pressure and performance tested by Messina (prior to shipment) and is guaranteed against manufacturing defects. This unit comes complete with operating instructions, standard spare parts and spare parts list. Shipping dimensions: 60" X 24" X 60", 450 lb net weight.