

INFORMATION

MTE-AIR PERMEAMETER

MODEL No. ST-003

DESCRIPTION

The MTE Air Permeameter is used to measure the permeability of a 1 inch diameter by 1 inch long (max) core sample to air, nitrogen, and CO₂.

The air permeameter incorporates a modified tapered rubber core holder which is mechanically sealed in a stainless steel assembly. Gas is forced through the core and the pressure and flow rate are determined. These values are used in Darcy's Equation to calculate the permeability of the core sample:

$$K \text{ (md)} = \frac{2000\mu QPL}{A (P_i2 - P_o2)}$$

The apparatus is completely self contained, portable, and equipped with the finest test gauges, regulators, and flow meters.

CERTIFICATION

The MTE Air Permeameter is pressure tested and performance checked by Messina (prior to shipment) and is guaranteed against manufacturing defects. Each unit comes complete with operating instructions, standard spare parts, and spare parts list.

MTE-AIR PERMEAMETER is a Messina trademark