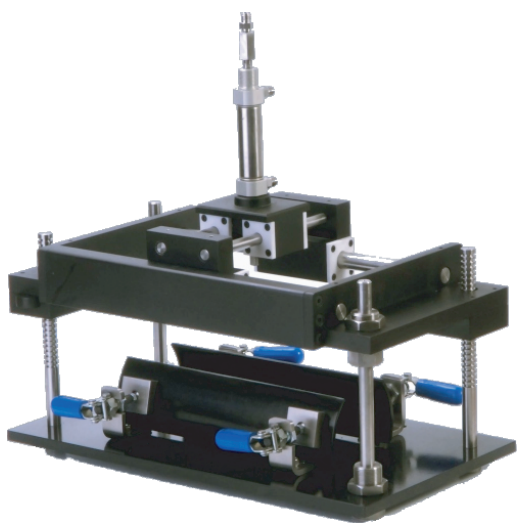


Digital Probe Permeameter



The digital probe permeameter is a portable and versatile laboratory instrument to be used in fields and labs. The main advantage of the permeameter is its proven ability to realize specific, quick and non-destructive measurements of gas permeability from a great variety of core surfaces (slabbed and whole cores, plugs, fragments, etc.) other advantages are:

Obtaining permeability profiles immediately after extraction of the cores samples to the surface.

Quick identification of high permeability in the formation of fine layers that would normally be unnoticed using conventional methods.

It is possible to create a 2D map to clearly define the permeability of the core in specific spots, which is specially useful in formations that are fractured, conglomeratic or with fine interlamination.

Possibility to take high density of measurements without damaging the cores at a low cost.

The PLC take control of the system and make a report to export to Excel[®] and can be connected to a PC by a USB port.



Ingenio que transforma el mundo

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Código N° SC 2932-1

Digital Probe Permeameter



The Permeameter is composed of:

Measurement Module: Composed by Pressure Transducers, mass flow regulators, digital programmable indicators, pressure gauges, 316 stainless steel flow lines and quick inlet and outlet pressure connectors.

Mounting Frame: Adjustable aluminium frame to support the core while the measurement is being done. It slides in the X and Y axis to move the probe to where the measurements is about to be taken without having to move the core. There is also the possibility to graduate the height of the tip which is useful to accommodate cores of different diameters. (sold Separately).

TECHNICAL SPECIFICATIONS

Dimensions: Aluminium box 55.5x 44.5x 22.5 cm

Approximated Weight: 15kg

Power Source: 110-240V / 50-60 Hz

Permeability Range: <0.01 mD a 17,000 mD

Entry Pressure: Nitrogen @ 120 psig

Pressure Control: Nitrogen Pressure Regulator and Relief Valve

N2 Pressure Indicators: Pressure Gauge, Ø2 ", 0-200psi

Pressure Transducers: 0-1, 0-10 and 0-100 psig.

(Precision: $\pm 0.1\%$ Total Scale, Stability: $\pm 0.1\%$ Total Scale per year)

Mass Flow Controllers: 0-20 sccm y 0-200 sccm

(Precision: $\pm 0.75\%$ Total Scale, Repeatability: $\pm 0.15\%$ of flow rate)

Pressure and Flow

Digital indicators: 4-5 digit programming options

Temperature Measurement: PT 100, 0-150 °C

Probe Tip: viton o'ring of 4mm

Core diameter range: Up to 6"

includes:

USB interfaces to acquire automatic data

Software compatible with Windows®

Optional:

Mounting Frame

Automatic System with PLC



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