

RDC-145 Air Permeability

The air permeability is determined by measuring the time taken for a certain volume of air to pass through a sample with a diameter of 50 mm and a length of 20 mm. The result is expressed in Nanoperms (1 nPm = 1 Darcy/9,87). Typical AP values for anodes are in the range of 0.5 to 2.0 nPm.

The RDC-145 is used for the determination of the gas permeability of carbon electrodes. The apparatus calculates the results automatically by means of a microprocessor and results are presented on a display. The gas permeability has a great influence on the burning behaviour of the anode.



Standards	Compatible	ISO 15906
	RDC	RDC-1145
Specifications	Measurement	Air Permeability [nPm]
	Sample	Core Ø50x20mm
	Sample / test	1
	Process time	1 – 5 minutes
Configuration	Set up	Workbench
	Dimensions	60 x 52 x 64 cm (LxWxH)
	Weight	53 kg
Facilities	Electrical connection	230V 1/N/PE, 50/60Hz
	Power	0.50 kW

*Photos and illustrations are not contractual.

Microprocessor Features:

The Microprocessor features and advantages:

- User friendly operating system (wide colour screen, soft touch key panel)
- Fully interlinked with Key Lab application (LIMS)
- Data history (measured value, calibration factor, date, time...)
- Connectivity (database, external printer, USB mass storage, WIFI network)