



STRATUM
RESERVOIR

SRNO PN 1089

DHP-100-A Digital Helium Porosimeter (automated)

Portable bench top model that can be used with any type of core holder - automated

ADVANTAGES

- Measures both grain volume using internal matrix cup for samples and directly pore volume using ext. core holder.
- Valves are operated automatically from computer and calibration data and measured parameters are logged to computer.
- Possibility to alter the ref. volume to achieve optimal calibration results for diff. sample sizes. It is also possibility to connect an external tank to increase the ref. volume.
- Matrix cups with different internal diameter can be used.
- Pneumatic open/close function for matrix cup for rapid loading and off-loading of samples, gives a high through-put.
- When using external core holder for pore volume measurements, helium is injected from both ends of the sample in order to reduce the time to reach equilibrium.
- The instrument has 2 pcs. in-line temperature sensors with display to monitor the T1 (@V1) and T2 (@V2). It is vital that the temperature at calibration is the same during the measurements, to secure accuracy and repeatability.

SPECIFICATIONS:

Methodology applied:	Boyle's Law @constant temp.
Working Helium Pressure:	0-10 bar (0-145 psi)
Confining Pressure:	Depending on core holder type
Working temperature:	Ambient
Sample diameters (std.):	Ø1.0" - Ø30mm - Ø1.5" - 40mm
Number of matrix billets:	5 pcs. for each sample diameter
Sample length:	0-100 mm (0-4")
Process valves (Helium):	Ball valves and toggle valves
Type of gas required:	Helium and Nitrogen, 10 bar
Type of mounting:	Vacuum expansion directly
Physical size:	500mm 440mm x 400mm
Weight with matrix cup:	29 KG



CERTIFICATES:

Certificate of Conformity/CE mark:	YES
Pressure Leak Test Certificate:	YES
Calibration Certificates Pressure Gauge:	YES
Calibration Certificates Ref. Samples:	YES
Warranty Certificate:	YES

ACCESSORIES:

Matrix cups and calibration billets in other sizes
Core Holders of various types and sample sizes
Kit with 6 pcs. calibration samples with wide range
Replacement kits with tubing, fittings and valves

Contact Equipment Sales or your local Stratum Reservoir location for further details!

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