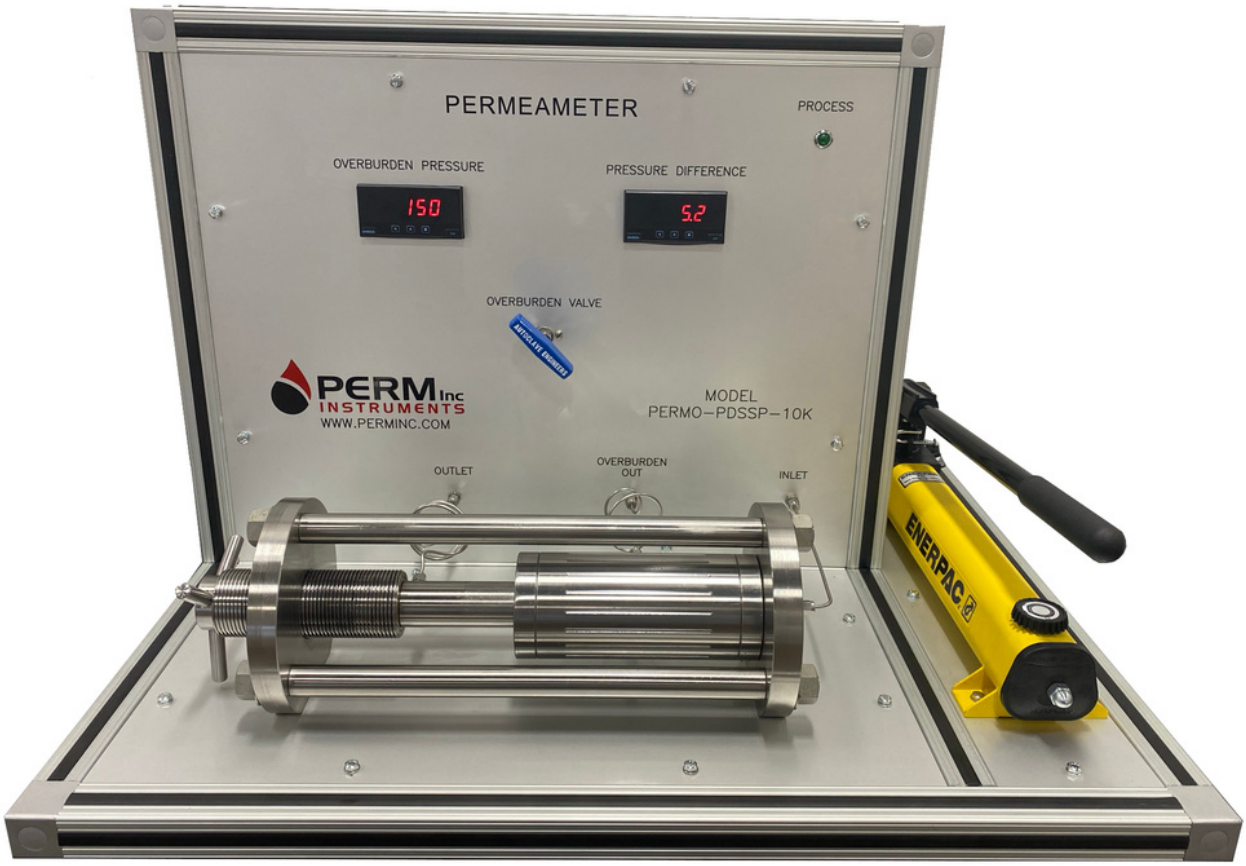
Permeameter



PERM Inc
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Description:

The steady-state measurement of absolute permeability, especially for tight core plugs, is a tedious and time-consuming process. However, using the unsteady-state technique along with a suitable procedure can reduce the effort and measurement time. Literature confirms that the measured absolute permeability using both the steady- and unsteady-state techniques are consistent.

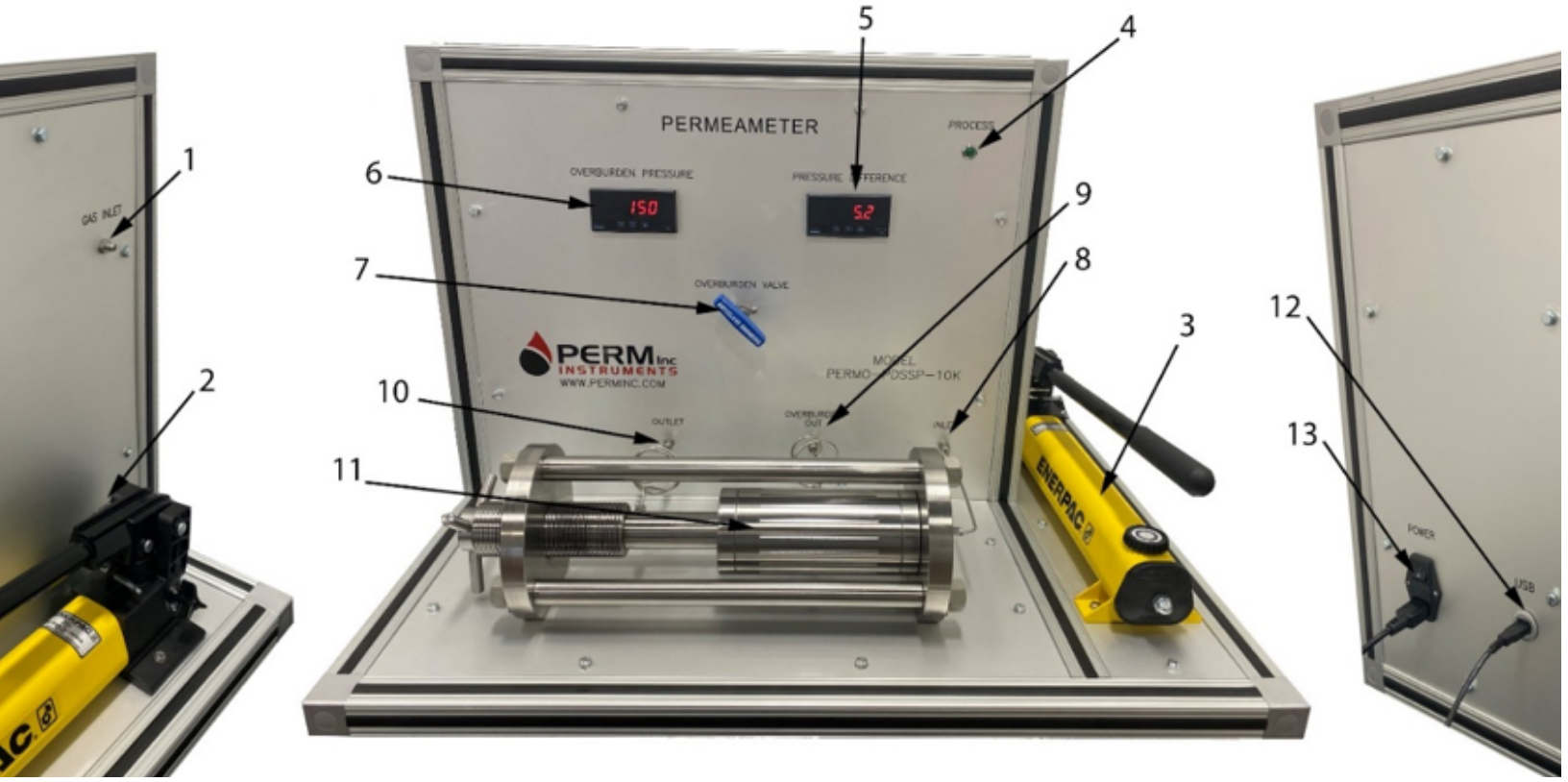
Features:

- Measure absolute permeability of core plugs (1 inch and 1.5 inches diameter, up to 4 inches in length)
- Two unsteady-state techniques including the Pulse-decay and the Pressure fall-off methods
- Nitrogen/helium gas is injected into the system and pressure-time data are recorded automatically and permeability values are calculated using the developed built-in software
- Automatic configuration (actuated valves, digital gas regulator, etc.) combined with our advanced core-holder has made the measurements fast, reliable and easy to run
- Capable of measuring low-permeability ranges (between 10 ndarcy to 0.1 mDarcy) and high-permeability ranges (0.1 mDarcy to 10 Darcy)

Specifications*:

- Overall dimensions: 35 in x 28 in x 25 in
- Maximum overburden pressure: 68,948 (10,000 psi)
- Maximum gas pressure: 13,790 kPa (2,000 psi)
- Operating temperature: room temperature
- Core plug diameter: 1.0 inch and 1.5 inches
- Core plug length: up to 4 inches
- Accuracy of pressure measurements: less than 0.05%
- Permeability range: 10 nDarcy to 10 Darcy
- Porosity range: 1-60%
- Electrical Requirement [(1)] : 110-240 VAC

(1) A 120/220V-10A power cable is provided with the apparatus.
* A USB 2.0 cable is provided with the apparatus.



Component List :

Part	Description	Part	Description
1	1/8" tube fitting for gas inlet	2	1/8" tube fitting for overburden inlet
3	Hydraulic manual pump	4	Process LED light
5	Digital display for pressure drop in the core plug during the fall-off test (psi)	6	Digital digital display for overburden pressure (bar)
7	Overburden valve	8	1/8" tube fitting for core holder inlet
9	1/8" tube fitting for overburden outlet	10	1/8" tube fitting for core holder outlet
11	Core holder	12	USB connector
13	Power plug		

CONTACT

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