

Dilatometer equipment with accessories

Product description

The Dilatometer consists of:

- a. An inflatable membrane mounted on a steel core.
- b. A hydraulic module comprising a dual piston and cylinder assembly, to inflate and deflate the membrane.
- c. A measuring module containing a linear transducer, which monitors the injected volume.
- d. The hydraulic tubing and electrical lead lines.
- e. A hydraulic hand pump and pressure gauge.
- f. A pressure transducer and
- g. A versatile readout unit, which allows configuring the tests and calibrations, to read and plot the test results in real-time, to log the data, and to review test results.

Specifications

1. Probe

1	Maximum Pressure	30 MPa
2	Diameter	
	Minimum (deflated)	73 mm
	Maximum (inflated)	85 mm
3	Effective length	460 mm
4	Probe upper threads	NQ rod female(box)

2. Readout unit/Data logger

5	Function	Volume and Pressure indicator
6	User interface	<ul style="list-style-type: none">• USB Type-A with PC• Bluetooth communication with an Android tablet
7	Resolution	
	Diametrical change	0.001 mm (0.05 cc)
	Pressure	± 0.25 % Full Scale
8	Logging capacity	Typically, over 10000 data sets (tablet-dependent)
9	Power supply interface	Universal AC wall plug with Indian std. + cables for external battery
10	Operating temperature	-20 to 70 deg. C
11	Battery	2 x 12 V, 2.3 A, rechargeable
12	Case	Water proof and shock resistant IP67 IK08

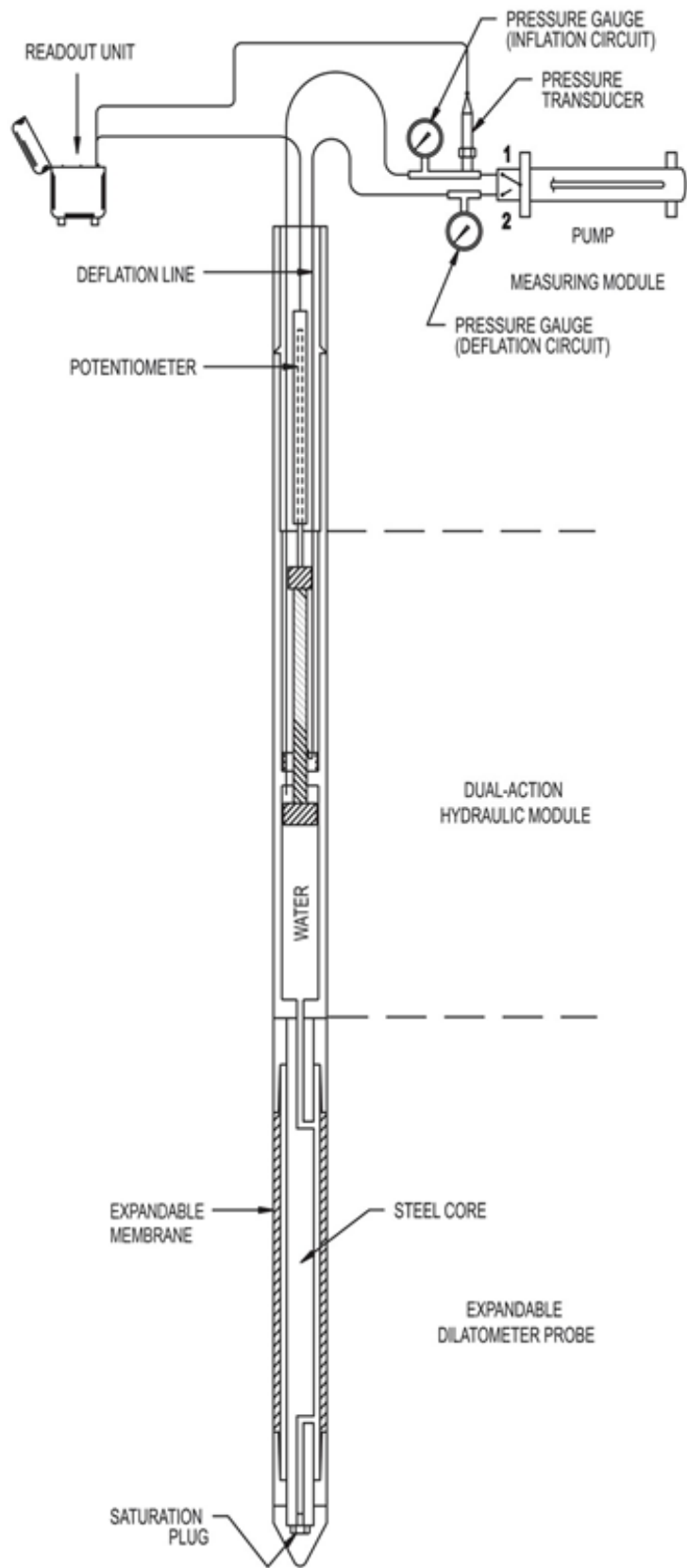


Figure: Dilatometer equipment with accessories

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