

SLiding PipE Rheometer (SLIPER)

for fresh concrete and other building materials

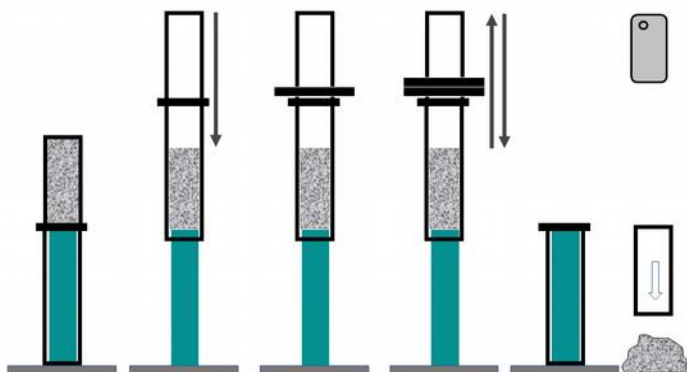
- **determination pumpability of fresh concrete**
- **for product development and for quality control**

The SLIPER rheometer offers a worldwide unique opportunity to measure the pumpability of building materials economically on a laboratory scale.

The SLIPER works according to the piston principle and consists of a vertical tube which is filled with fresh concrete. The tube with the sample is made to slide supported by weights. The integrated pressure sensor and distance sensor measure speed and pressure.

The measurement data are saved on a smartphone and can be displayed graphically in a p - Q diagram. A direct comparison of different mixtures can be made.

The evaluation system can be used to describe the properties of the fresh concrete and thus make forecasts for the planned pump application. A calculation model enables the use of SLIPER to predetermine the pressure losses in concrete pumps and pipes.



SLIPER is robust and can be used in the laboratory as well as on the construction site.

The electronic is powered by a battery for mains-independent operation. Data transmission takes place wirelessly immediately after the measurement values have been generated. The measurement data can then be exported as an Excel file or a report can be created in pdf format.

Features

- compact
- wireless
- economically
- low sample volume
- mains-independent, battery-operated
- operation and display of the measurement results on the smartphone
- for quality control and especially for use on the construction site

Technical specifications*:

Sample volume	6.2 l
Speed range	0 ... 4 m/s
Pressure range	1 ... 1000 mbar
Weights	approx. 1.6 kg and 4.8 kg

Delivery:

Sliper – Sliding Pipe Rheometer, 2x NiMH battery incl. charger, 3x weights with approx. 1.6 kg and 3x weights with approx. 4.8 kg, Android Smartphone with pre-installed software app, operating instruction.

Order information:

B0200	SLIPER – Sliding Pipe Rheometer
B0206	Replacement tubes
B0202	Replacement sealing
B1174	additional weight approx. 1.6 kg
B1175	Additional weight approx. 4.8 kg

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*Changes are reserved for technical progress.

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