

## The Schleibinger Shrinkage Drain



The Shrinkage Drain made of a 1m (or shorter) long u-shaped stainless steel profile which contains the specimen. To avoid wall friction the drain is covered with a removable Neoprene ® sheet. On one side a removable anchor is fixed. On the other side this anchor is movable and sliding on three wheels. The motion of this anchor is registered by a high sensitive LVDT probe .



As displacement sensor we are using a digital probe which is connected to the Probe Interface Electronics which converts the analogue signals from the probe head into a digital format.

Up to 10 probes may be connected over a digital bus system.



A data-logger supplied with the system, records the data of several shrinkage drains and store it in the logger as standard ASCII files.

Optional a synchronous registration of temperature (RTD or thermocouples) and humidity is possible. Two temperature channels and a mixed temperature /humidity channel are available.



The logger has a network interface (Ethernet) So you can easily integrate it into local Intranet. With a standard web-browser software you can readout the data, and visualize it. For further data handling we rechnend Microsoft Excel ® ore any similar visualization program.

No special PC software is necessary. You need only your browser-software like Firefox ore Internet-Explorer. Optional a synchronous registration of temperature and humidity ore of a balance (Mettler, Sartorius) is possible. Two temperature channels and a mixed temperature /humidity channel are available.



**Technical data:**

		<b>Unit</b>
Length	1000 or 500 or 250	mm
Diameter	60 * 40 or 60 * 100	mm
Measurement Range	2, 5 or 10	mm
Resolution:	0.3	µm = Mikron
Accuracy better then::	0.003	mm

**Order Info**

S0103	Shrinkage Drain for Mortar 60 x 40 x 1000 mm, incl. Digital probe
S0033	Shrinkage Drain for Concrete 100 x 60 x 1000 mm, incl. Digital probe
S0017	Option. Cooling and heating with a double wall drain
S0001	Data Logger for up to 10 shrinkage drains
S0013	Temperatur sensor (RTD),input + sensor
S0016	Combined humidity, temperature sensor input + sensor
S0027	Thermocouple temperature sensor input + sensor
S0008	Neoprene foil, for avoiding friction