



## **Rheology Solutions**

*Rheology Solutions is the sole Australian distributor of this product range and we welcome the opportunity of discussing your application requirements.*

*We hope the information you are seeking is contained within this file.  
If you have any questions, or require further information please contact us.  
We look forward to being of further service.*

*Regards from the Team at Rheology Solutions.*

**RHEOLOGY SOLUTIONS PTY LTD.** ACN 082 479 632

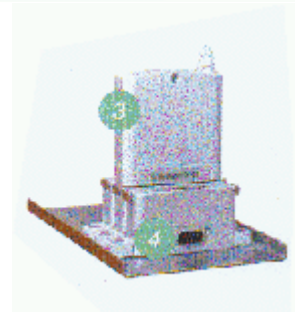
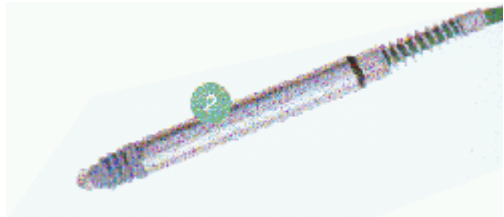
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## The Schleibinger Shrinkage Drain



The Shrinkage Drain (1) made of a 1m long u-shaped stainless steel profile which contains the specimen. To avoid wall friction the drain is covered with a removable Neopren® 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 (2).

As displacement sensor we are using a digital probe (2) which is connected to the Probe Interface Electronics (3) which converts the analogue signals from the probe head into a digital format.



Up to 8 probes may be connected over a digital bus system. The distance between the probes and the Datalogger may be several hundreds of meters.

A data-logger supplied with the system registrate the data of several shrinkage drains and store it in the logger as standard ASCII files. Optional a synchronous registration of temperature 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 recomend Microsoft Excel® ore any similar visualisation program.

No special PC software is necessary. You need only your browser-software like Netscape ore Internet-Explorer. Optional a synchronous registration of temperature and humidity ore of a balance (Mettler, Sartorius) is possible. Two temperature channnels 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
Accuray 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 8 shrinkage drains
S0013	Temperatur sensor,
S0016	Combined humidity, temperature sensor
S0008	Neopren foil, for avoiding friction

Represented by:



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