

SELEVISCO9000

VISCOSITY CONTROLS



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APPLICATIONS



FLEXOGRAPHY



ROTOGRAVURE



CORRUGATED
CARDBOARD



LAMINATION
AND COATING

SELEVISCO9000

Measures the viscosity of fluids thanks to a vibrating sensorial system featuring a precise and advanced technology.

The system was specifically designed for the control of inks in the flexographic, rotogravure printing industrial sector, as well as varnishes and different types of glues.



Outstanding precision

Granting an outstanding reading tolerance. The system integrates a temperature and pH control (option). Minimum maintenance, the absence of moving elements eliminates the necessity of frequent calibration.



Installation of the inline vibrating sensor

The measuring head is protected by an extremely resistant capsule of small dimensions, integrating proper anchoring arrangements in limited spaces. The proper positioning is normally suggested between the pumping system and the chamber doctor blade or the ink tray.



Installation of the offline vibrating sensor

Based on the vibrating technology, the offline sensor is installed directly into the tank, granting a simple use.

The offline sensor is easy to clean and resistant to chemical corrosion thanks to its Teflon coating protection.

CONTROL SYSTEMS



Technical information



- Measuring accuracy of viscometer: 0.1 second (Ford-4)
- Measuring range: 9...140 second (Ford-4)
- Explosion proof system with ATEX Exei degree of protection
- Auto-cleaning
- Built in temperature sensor
- Inline or offline version
- Communication protocol: RS485 Modbus, Profinet, Profibus, Ethernet IP
- Fields of application: rotogravure, flexo inks, varnishes coating, adhesives, lacquers, chemicals
- Max number of elements: 16 (Version Touch Screen) 1 (Version SV9000)
- Alarm signal of viscosity controller: visual, audible and relay output

Each control panel can be applied within existing frameworks or supplied integrated into custom pulpits. They can work:

- **In Manual mode** - the operator add the diluent to correct the viscosity value.
- **In Automatic mode** - the system compares the programmed viscosity value and the measured one and adds the quantity of diluent necessary to correct the error



Selevisco9000 sensors can be of two different models:

- XS, smaller model equipped with a 2.5 m long cable
- S, larger model equipped with a 5m long cable.

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INLINE VIBRATION SENSOR MODEL S

The S sensor is a very versatile instrument that allows the complete integration of some accessories such as pH probes, electric valves, pneumatic valves.

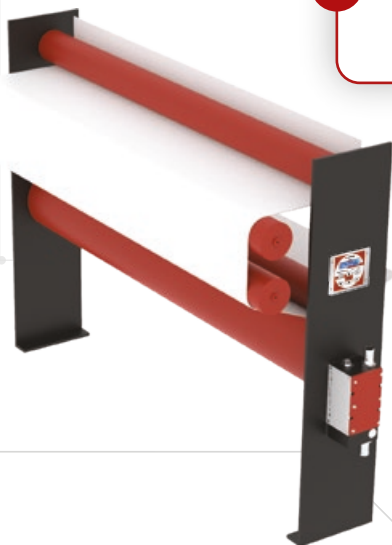
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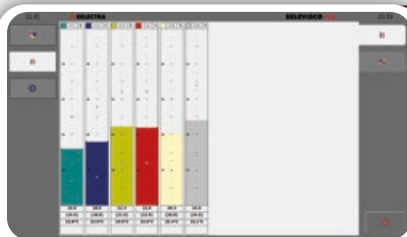
INLINE VIBRATION SENSOR MODEL XS

The XS sensor is a very compact instrument that can be placed in tight spaces.

Both sensors are equipped with a precise, reactive and reliable temperature probe.



OPTIONS



VISCOS TS10K

The measuring heads can be linked to PC systems with touch screen interface, based on Windows Operating Systems and complete with a specific software for job statistics. The measuring heads and the control units are connected by electric wires, thus permitting the installation of these elements even within long distances.



SELEMIX 10K DOSING SYSTEM

Compatible with VISCOS TS10K, SELEMIX 10K is a powerful and customizable tool of 4.0 Industry, which allows fluids to be fed and mixed in a precise and automated way. This modular system can supply up to 16 units and manages up to 12 chemicals per channel. SELEMIX 10K ensures automatic and semi-automatic feeding of the chemicals, by adding the additives in sequence to increase the result of the mixing, which is obtained by setting several fill cycles and defining a proper time of each individual cycle.

SELE DATA SYNC

It is a powerful software tool for Industry 4.0 that enables real-time data exchange between Windows PCs and Selectra Control systems. It is specifically designed to support both TCP/IP and RS485/RTU Modbus protocol versions to communicate with field slave devices. SeleDataSync comes with a companion utility program called SeleDataReport, that enables users to easily convert log files into Excel-compatible CSV format.



These accessories can be quoted separately on request:

- Connecting pipes to any external equipment (for solvent or water-based inks)
- Electric wires for connecting measuring sensors to the control units
- Containers for inks/solvent with electrical/pneumatic pumps with dampers and magnetic filters
- pH sensors and automatic controls. The system is managed by the SELEVISCO control panel
- Heat exchangers for fluid automatic temperature compensation. The system is managed by the SELEVISCO control panel.
- Complete systems of automatic washing of chambers doctor blade
- Doctor blades, standard or long-life
- Level sensors
- Consumption control

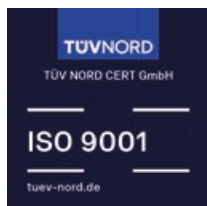




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