



# Inline Viscometers Our Passion

Marimex America LLC  
[www.marimex-america.com](http://www.marimex-america.com)

**Since more than 10 years in operation,  
around the clock at 540° F**



**This sensor is waiting for operation.**

**Maybe in your application?**



## About us

**Marimex America LLC** is a Joint Venture of West Machine Works Inc. (USA) and Marimex Industries GmbH & Co. KG (Germany).

Marimex Industries GmbH & Co. KG is a notable, international acting specialist for measuring viscosity in processes for more than 10 years.

Our know-how is based on a number of installations, in nearly all applications, in every industry. An efficient structure gives us the flexibility to handle projects quickly and determine new tasks as a challenge. Our production facilities in Germany and the U.S. execute quality assurance to provide the best worldwide availability.

Exclusive, local representatives worldwide provide direct sales and service to support customers in the global market.

## Our Objectives

- Manufacturing of Process Viscometers  
**ViscoScope**
- Continuous Developments
- Cooperations with Universities and Institutes

## Successful Installations in

- Chemicals
- Petro Chemicals
- Paint and Varnish
- Pharmaceuticals
- Food

## Individual Consulting

In cooperation with the customer we determine the correct instrument and configuration for their application to ensure quick and effective results for the project.

In case process parameters change we are ready to support our customers by reevaluating the application to secure that the proper installation of the instrument is optimized.

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## The ViscoScope-System

The process viscometer **ViscoScope** measures the dynamic viscosity of liquids precisely and continuously in-line.

The system consists of a sensor, a transmitter and transmission cable. If the sensor is being used in a hazardous area, safety barriers are added.

## Advantages of the System

- No Moving Parts
- Maintenance Free
- Rough and Reliable
- Wide range of Viscosity
- Sensor Installation in any Orientation
- Factory Calibrated
- Flow independent in Reactor, Vessel or Pipe

The transmitter drives the sensor at a torsional oscillation with a small amplitude and constant shear rate.

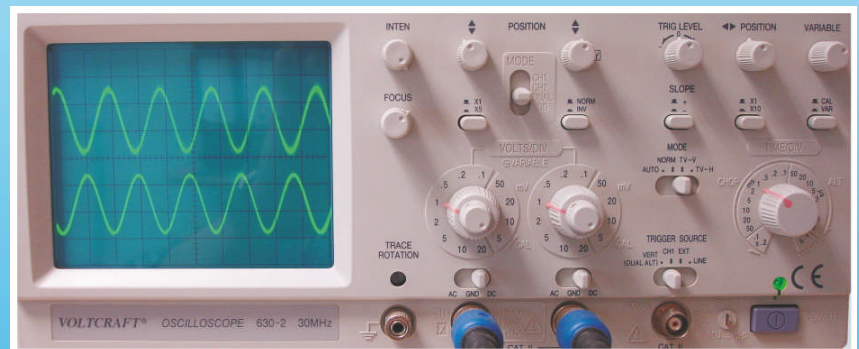
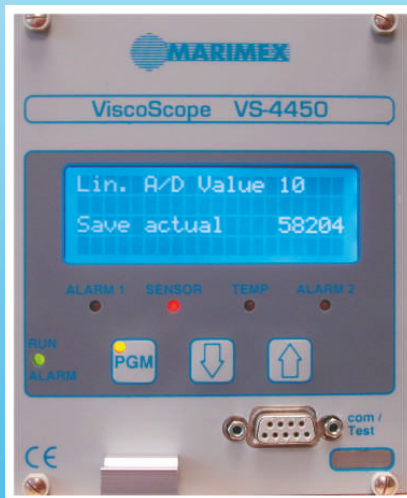
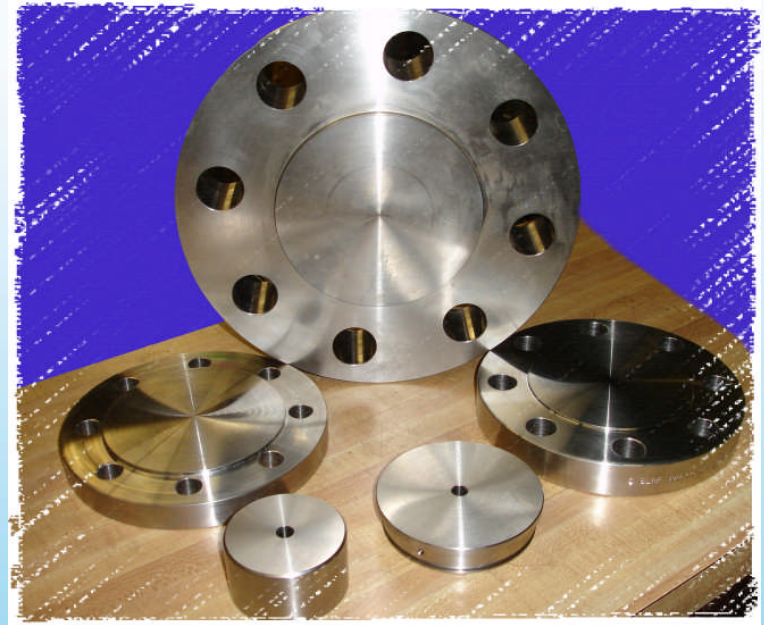
The power required to maintain the amplitude is a measure of the dynamic viscosity in  $\text{mPa} \cdot \text{s} \times \text{gr}/\text{cm}^3$  ( $\eta \times \rho$ ). Analog and serial outputs are available to transmit the results.

The sensors are designed for different viscosity, temperature and pressure ranges. Areas with no flow could be bridged using a non-active-extension (NAE), to ensure the probe is fully inserted in the liquid. An integrated RTD measures the process temperature at the same place where the viscosity is measured.



## Quality

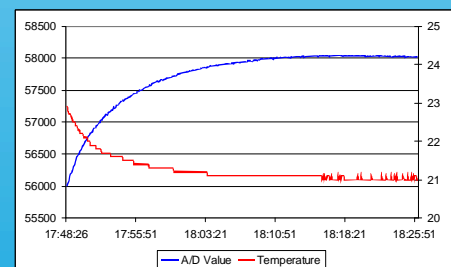
We use first class stainless steel and the newest components with highest availability to secure all quality requirements.



## Calibration

After production the system is pre-checked, then we will proceed with a computer assisted calibration with certified calibration fluids.

The complete system will be checked before the equipment is ready for shipment. These individual check routines grant our customers safety and continuity and therefore the highest quality assurance is maintained.





## Our Performances

The performance of your instruments depends on the operation and on the daily use.

Upon request we will help you with the start-up of the viscometer, configure the instrument and coach the operators.

### Technical Support

- Clarification of Technical Questions
- Visits at Site
- Installation Planning

### Service

- Hotline 24 / 7
- Diagnostics and Service
- Quick Spare Part Delivery

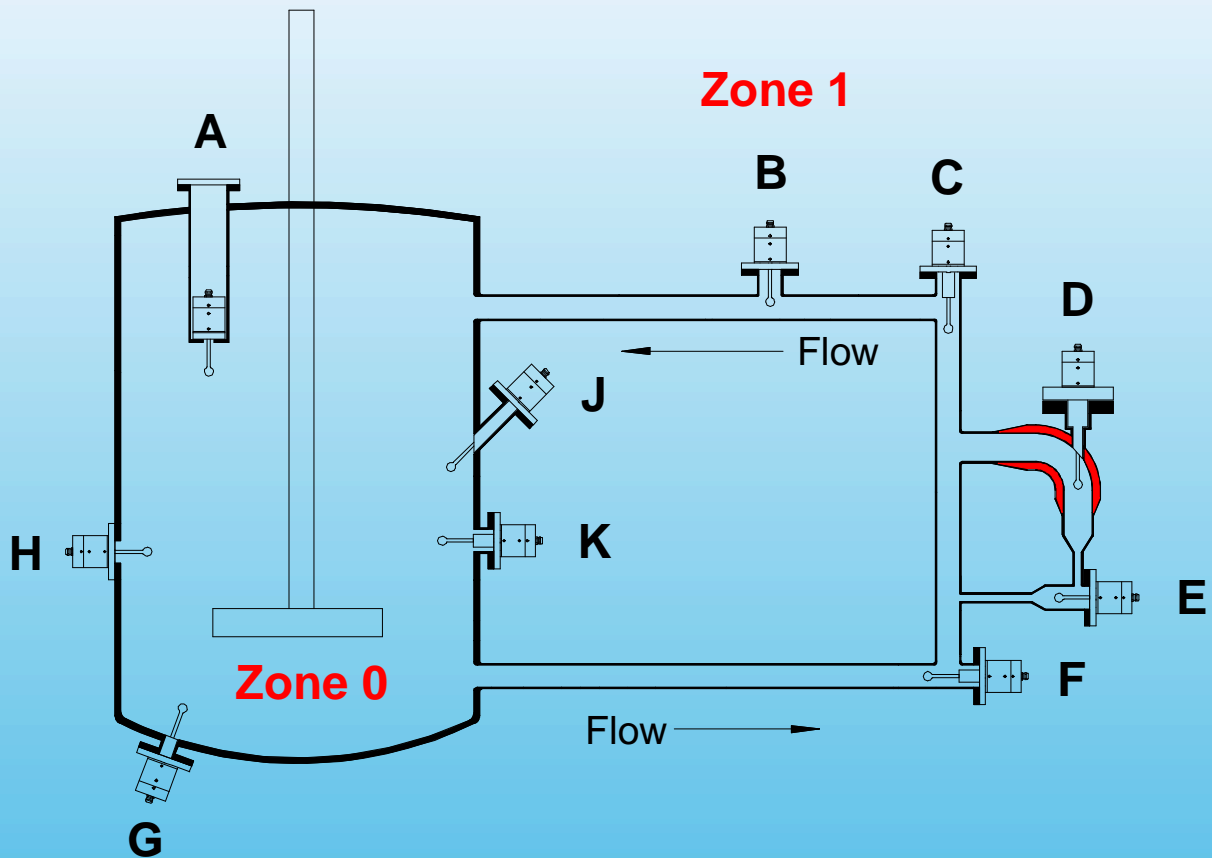
### Workshop

- Instrument Check
- Calibration
- Repair

### Fixed Prices

- Budget Planning
- Less Paperwork

**What can we do for you?**



**Which installation will fit your requirements?**

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**Your representative**

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