



POLYMER
APPLICATIONS
**Up to 200°C in safe
area**

Adhesives

Glues

Formaldehyde resins

Acrylic fibers

Polycarbonate

Silicone

SIMILAR
APPLICATION

Colloidal silica



Over **1000**
MIVI viscometers
used in polymers
processes

Batch reaction

Inline monitoring

Concentration or
dilution follow up

THE MOST COST-EFFECTIVE SOLUTION TO OPTIMIZE YOUR POLYMER PROCESS **IN SAFE AREA**

*For applications up to 200°C**

Polymerization reactions are complex processes involving reaction mechanisms often difficult to control. Most resins and specialty polymers are made using batch polymerization with unique recipes that require constant adaptation of manufacturing parameters.

Common problems encountered in batch polymerization include:

- **PRODUCTION CAPACITY LIMITED BY BATCH TIME**
- Variations and evolution of reactions controlled by laboratory measurements which are **COSTLY** and **TIME CONSUMING**
- Unknown evolution between laboratory controls which affect **FINAL PRODUCT QUALITY** and **END-POINT DETECTION**
- Lack of control that can lead to hardening of polymer with **LOSS OF PRODUCTION** and great **MATERIAL DAMAGE**

POLYMER **BEST SELLER SOLUTION** – *in safe area*

- +** Optimization of **cycle time** to increase production
- +** Better **end-point** detection and easier reaction monitoring
- +** Correct viscosity and reaction parameters from **beginning to end of batch**
- +** Prevention of **mass solidification**
- +** Reduction of **costly and time consuming** laboratory sampling
- +** A single sensor able to provide **high level of sensitivity** over a **very large measurement range**



Key characteristics:

Good sensitivity at low viscosity

High full scale range

No wearing parts, very low maintenance

Precise on low and high viscosity

Robust and reliable

Measures in any positions

*Other configuration available on demand

FEATURES & SPECIFICATIONS



MIVI process viscometer

Typical Full Scale Range: 1000 cP*

Temperature: up to 200°C*

Pressure: up to 60 bar*

Ex-proof certification

Material: 316L SS*

Ingress Protection: IP67

With 316L SS Weld-mount flange



Cf technical datasheet 134

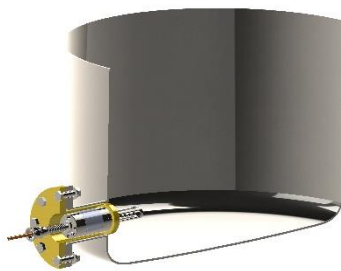
*Other available on demand

MAIN MOUNTINGS

Cf technical datasheet 319 & 320



On reactor wall



On immersion tube



On a bypass loop

Any questions or specific needs regarding other viscosity solutions?
Let us help you find the best match for your process by **contacting us at:**
instruments@sofraser.com

9200 transmitter



Viscosity transmitter

2-line alphanumeric backlighting LCD screen

2 x 4-20 mA output*

Operating temperature: 0-40°C

Panel-mount type

Cf technical datasheet 256