

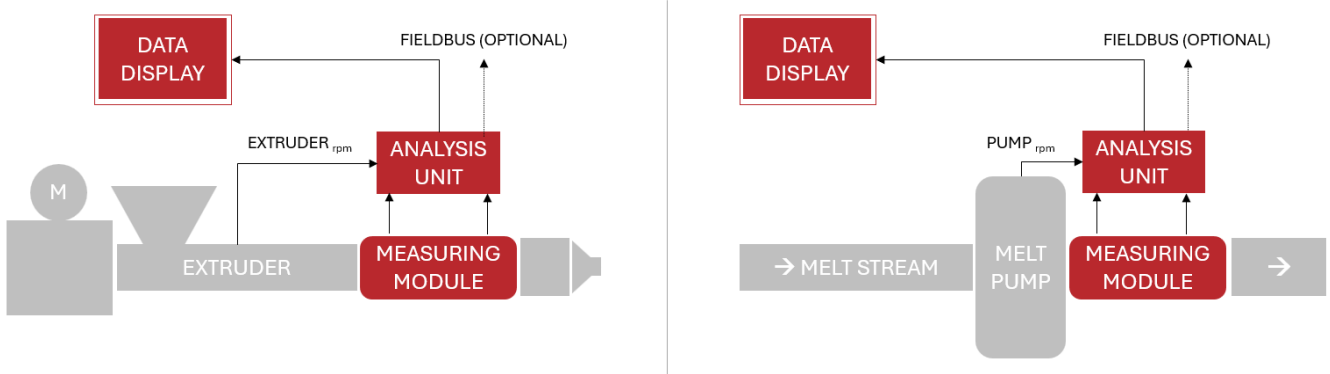
# Visco-P | Inline Viscometer

Data Sheet

High-accuracy measurements for real-time process control  
& raw material management.



## Visco-P | Operating Principle



### Visco-P | In-Line Viscometer Components in different Process Set-Ups

- A proprietary Promix measuring module enables very accurate & stable viscosity measurements
- Low maintenance system for reliable operations
- Graphical display of viscosity, melt temperature and shear rate over time
- Customized alarm settings guarantee continuous quality inspections
- Freeze button in any moment to pinpoint a set of data
- Data acquisition system to store measurements over time



## Visco-P | Specifications



### Measurements

Viscosity Range	50 to 100 000 Pas
Measurement Accuracy	0.15 % - 0.25 % of reading
Temperature	Pt100 (DIN EN60751, class B)

### Operational Environment

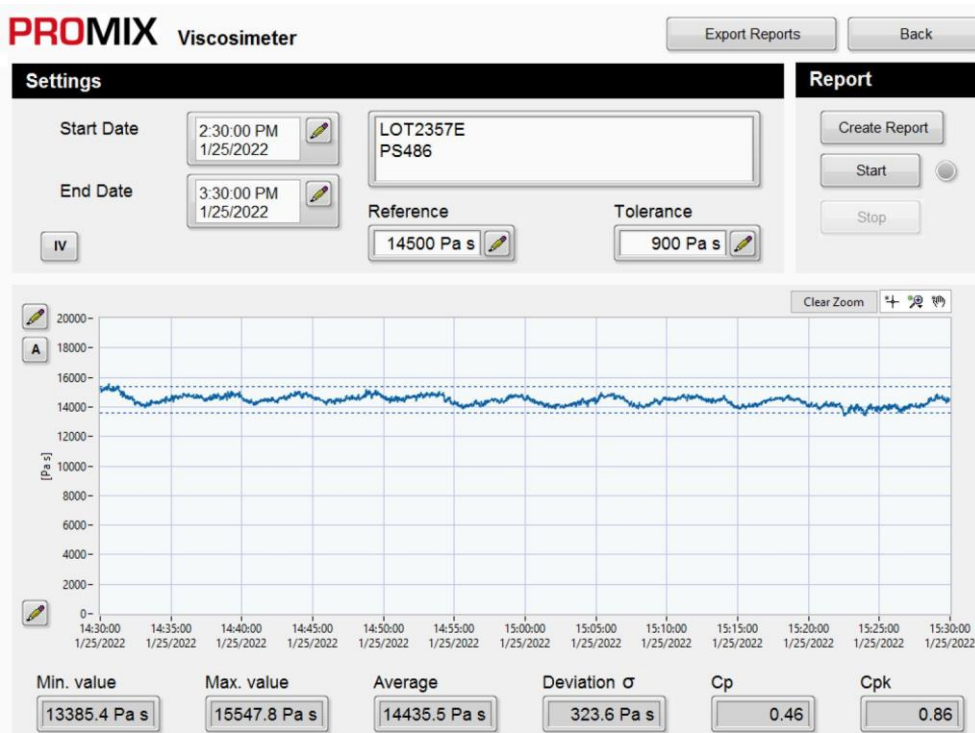
Process Temperature	0°C to 300°C
Temperature	32°F to 570°F
Pressure Range	Up to 700 bar up to 10,000 psi

### Electricals & Interfaces

Analog Input	4 – 20 mA Extruder / Melt Pump Output
Analog Output	4 – 20 mA Viscosity
Digital Output	Modbus TCP Ethernet IP, Profinet, Profibus, CANOpen, others
Power Supply	230 V AC

## Visco-P | Software, Visuals & Controls

Display	Capacitive Touchscreen, 12.1"
Software	Data acquisition and visualization, iOS, Windows
Process Data	Viscosity, Shear Rate, Temperature Including Melt Flow Rate (MFR), Intrinsic Viscosity (IV) csv-file data export
Polymers / Materials	All polymers & viscous materials >50Pas, including filled systems
Visuals	Trend charts (temperature, viscosity, shear rate), lean user design for intuitive handling
Alarms & Settings	Polymer selection, Process tolerances including alarms
Reporting	Reporting with statistical evaluation, pdf-file export Min / Max values, average, standard deviation, $C_p$ , $C_{pk}$







## Visco-P | Applications & Benefits

### Strengths & Applications

- High-accuracy inline viscosimeter
- Viscosity of the full melt stream
- Promix measuring module
- IV monitoring for PET applications
- Moisture monitoring
- Light foam processing
- No risk of blocking, deposits or degradation
- Short installation length

### Resulting Benefits

- ▶ Real-time quality control of the process
- ▶ Indicating raw material & process deviations
- ▶ Additional melt homogenization
- ▶ Raw material dosing optimization
- ▶ Immediate response, no scrap generation
- ▶ Foam quality control
- ▶ Recycling, filled & shear-sensitive materials
- ▶ Easy retrofit to any extrusion line



## Contact

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## Information, Testing & Inquiry Form

[www.promix-solutions.com/en/products/inline-viscometer](http://www.promix-solutions.com/en/products/inline-viscometer)