

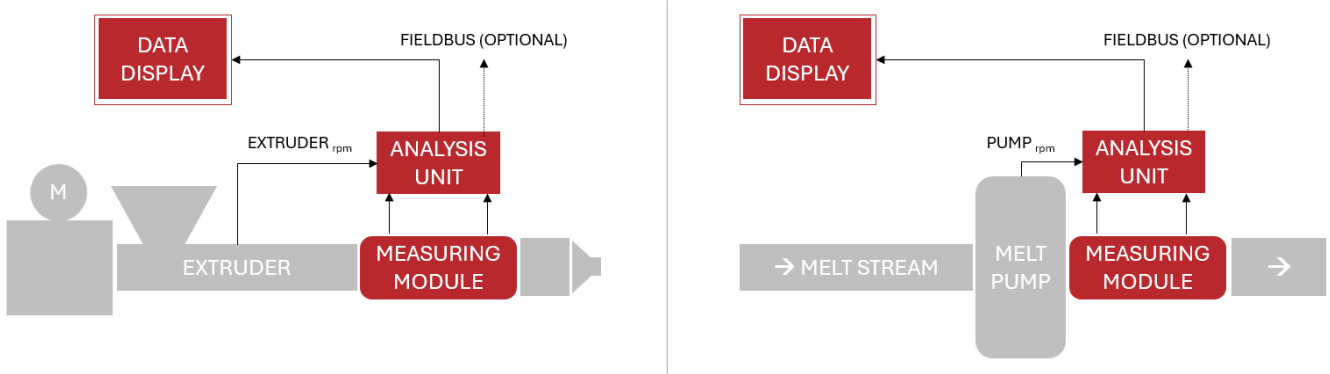
Visco-P | Inline Viscometer

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

Operational Environment

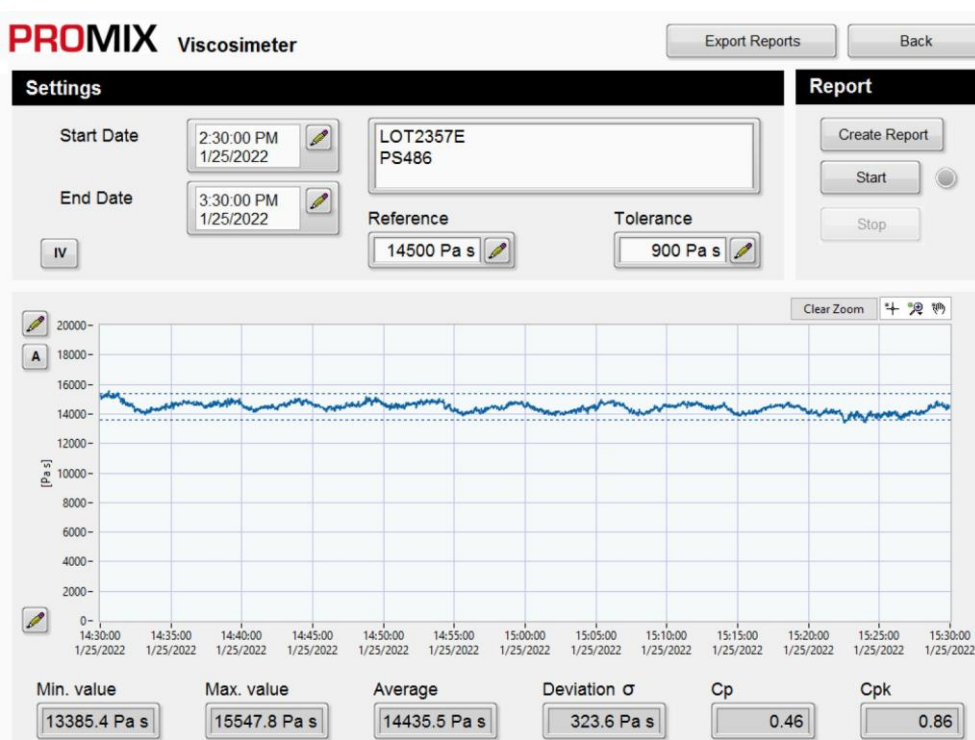
Process Temperature	0°C to 300°C
Temperature	32°F to 570°F
Pressure Range	Up to 700 bar up to 10,000 psi

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

Promix Solutions AG
Technoparkstrasse 2
8406 Winterthur
Switzerland

Phone +41 52 267 80 80
info@promix-solutions.com

Information, Testing & Inquiry Form

www.promix-solutions.com/en/products/inline-viscometer

