

# Questionnaire



## Viscosity Measurement - Piston Viscometer

### Adresse

Company \_\_\_\_\_  
Department \_\_\_\_\_  
Phone \_\_\_\_\_  
Contact \_\_\_\_\_  
Mail \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_

### Process Conditions

Type of liquid \_\_\_\_\_  corrosives  abrasive  
Any solids?  Yes  No Gas in liquid?  Yes  No  
Kind of solids \_\_\_\_\_ Gas type \_\_\_\_\_  
% of solids min \_\_\_\_\_ max \_\_\_\_\_ Amount of gas % min \_\_\_\_\_ max \_\_\_\_\_  
Particle size min \_\_\_\_\_  $\mu$  max \_\_\_\_\_ mm Bubble size min \_\_\_\_\_  $\mu$  max \_\_\_\_\_ mm  
Flowrate Minimal Normal Maximum  
liter/h liter/h liter/h  
Pressure \_\_\_\_\_ bar a \_\_\_\_\_ bar a \_\_\_\_\_ bar a  
Temperature \_\_\_\_\_  $^{\circ}\text{C}$  \_\_\_\_\_  $^{\circ}\text{C}$  \_\_\_\_\_  $^{\circ}\text{C}$   
Viscosity at 20  $^{\circ}\text{C}$  \_\_\_\_\_ cp (mPas) \_\_\_\_\_ cp (mPas) \_\_\_\_\_ cp (mPas)  
Density \_\_\_\_\_  $\text{kg}/\text{dm}^3$  \_\_\_\_\_  $\text{kg}/\text{dm}^3$  \_\_\_\_\_  $\text{kg}/\text{dm}^3$   
Rheological characteristics  newtonian  non newtonian  thixotropy  
 dilatant  plastic  other \_\_\_\_\_  
Temp.-compensation  required (Compensation data required, please specify)  not required  
Installation of sensor:  
 Tank  Reactor  with stiring device  without stiring device  
 Main pipeline  vertical  horizontal  Elbow  
 Bypass  vertical  horizontal  Elbow  
Tank volume \_\_\_\_\_ (or diameter of pipework)

### Installation

Sensor  Indoor  Outdoot Ex-classification \_\_\_\_\_  
main pipeline  Indoor  Outdoor Ex-classification \_\_\_\_\_  
Distance between sensor and electronic (cable length) \_\_\_\_\_ m  
Transmitter type  Wall mount  Panel mount

### Transmitter

Requested values  Viscosity  Temperature  Temperature-compensation  
Output  Display  Analog 4-10 mA  RS-232  RS-485

### Number of required viscometers

\_\_\_\_\_ Main pipeline \_\_\_\_\_ Bypass \_\_\_\_\_ Tank \_\_\_\_\_ Labor

