1 York Road Business Park, Malton, York YO17 6YA, England
☎ +44 (0)1653 600294 • 🖶 +44 (0)1653 693446
www.hydramotion.com • email sales@hydramotion.com

Hydramotion
v i s c o s i t y

Viscosity application sheet (VAS)

Company details

Phone: ....

Name: ....

Email: ....

Company: ....

Fax: ....

Address: ....

Date of inquiry: ....

Fluid

Type / composition of fluid ....

Any non-Newtonian behaviour? (e.g. shear thinning/thickening, yield stress) ....

☐ Is fluid a slurry?

Suspended solids (%) ....

☐ Any bubbles or bubble formation?

Entrained debris? ....

Process

Type of process ....

	minimum	normal	maximum	units			minimum	normal	maximum	units
Temperature						Density				
Pressure						Flow rate				

Viscosity

	minimum	normal	maximum	units
Viscosity				
	at	at	at	
Temperature				

Viscosity values obtained from:

☐ Viscometer   ☐ Reference table   ☐ Estimate

If viscometer, please give type, model, shear rate, speed etc.

Measurement requirements

Required viscosity range (cP) ....

Required accuracy (cp / %) ....

☐ Integral temperature sensor required?

Installation

☐ Pipe   Dimensions (give units) ....

☐ Tank   Capacity (give units) ....

☐ Other   Details

☐ Stirrer / agitator   Diameter (give units) ....

Maximum speed (rpm) ....

Ambient temperature (maximum) ....

Ambient temperature unit   ☐ °C   ☐ °F

Process connection/fitting

☐ Flange   Type, size, pressure rating ....

☐ Other   Detail ....

Sensor material

☐ 316 stainless steel?

☐ Other   Detail ....

Safety certification

Hazardous Area?   ☐ Yes   ☐ No

A "Hazardous Area" is a location where there is a risk of explosion from flammable gas, vapours or dust.

Nature of Hazard?   ☐ Gas   ☐ Dust

This section **must be completed** if instrument is for Hazardous Area use

IEC Zone		Class	
IEC Gas class		Division	
Temperature class		Group	

Any other information