|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1 - CUSTOMER** | | | | | | | | | | | **OP** | | | | | **PROJECT REF.** | | | | | | | |
| Date | | |  | | | | | | | | | | | Name | |  | | | | | | | |
| Company | | |  | | | | | | | | | | | Position | |  | | | | | | | |
| Address | | |  | | | | | | | | | | | E-Mail | |  | | | | | | | |
| Phone | |  | | | | | | | |
| **2 – PROJECT DESCRIPTION** | | | | | | | | | | | | | | | | | | | | | | | |
| Project type | | | | | | | | Capital expense  Renewal of equipment  Rental | | | | | | | | | | | | | | | |
| Name/Type of the product/liquid | | | | | | | |  | | | | | | | | | Estimated purchase date | | | | | |  |
| Description of the application | | | | | | | |  | | | | | | | | | | | | | | | |
| **4 – EXPECTED MEASURES** | | | | | | | | | | | | | | | | | | | | | | | |
| Viscosity | | Density | | Temperature | | | | | | | | TCV (Temperature Compen-  sated Viscosity) *=> Fill in § 8* | | | | | | | | Correlation to another property …………………………………… | | | |
| **3 - VISCOMETER USE** | | | | | | | | | | | | | | | | | | | | | | | |
| In line | In tank | | | | At line/Benchtop | | | | | | | | Portable/On field | | | | | On line analyzer at reference temperature | | | | | |
| *=> Fill in § 5,6,7,8,10 et11* | | | | | *=> Fill in* § 5 | | | | | | | | | | | | | *=> Use analyzer enquiry form* | | | | | |
| **5 - PRODUCT** | | | | | | Min. | Max. | | Unit | | | | | | **8 – ELECTRONICS CHARACTERISTICS** | | | | | | | | |
| Viscosity (@1000s-1) | | | | | |  |  | |  | | | | | | Multi-sensors: No Yes Nbr: ………… | | | | | | | | |
| Density | | | | | |  |  | |  | | | | | | Display : Alphanumeric LCD display  Touchscreen None | | | | | | | | |
| Fluid temperature | | | | | |  |  | | °C °F | | | | | |
| Clogging fluid | | | | | | Yes | | | No | | | | | | Outputs: 4-20 mA RS485 CANBUS Relay | | | | | | | | |
| Abrasive fluid | | | | | | Yes | | | No | | | | | | Viscosity PID controller : Yes No | | | | | | | | |
| **6 - PROCESS** | | | | | | Min. | Max. | | Unit | | | | | | Power supply (24 Vdc by default) | | | | | | | Other: ……………….…… | |
| Ambient air temperature | | | | | |  |  | | °C °F | | | | | | Ingress /  Ex protection | | | | IP20 IP65 Other………….…..  ATEX | | | | |
| Pipe diameter | | | | | |  |  | |  | | | | | |
| Flow rate | | | | | |  |  | |  | | | | | | Reference temperature for TCV | | | | | |  | | °C °F |
| Pressure | | | | | |  |  | |  | | | | | | **9 – VISCOSITY SENSOR** | | | | | | | | |
| Reactor volume | | | | | |  |  | |  | | | | | | Cable length between sensor and electronic (3 m by default) | | | | | | | | ………m |
| Agitator speed | | | | | |  |  | |  | | | | | |
| **7 – ENVIRONNEMENT** | | | | | | | | | | | | | | | Material or coating (316L by default) : Hastelloy  PTFE Diamond-Like Enamel Other………… | | | | | | | | |
| Area classification Safe zone 2 zone 1 zone 0 | | | | | | | | | | | | | | |
| Expected Ex approval: ATEX « d » ATEX « i »  IECEX « i » FM « d » JIS KGS None | | | | | | | | | | | | | | | **10 – MOUNTING ACCESSORIES** | | | | | | | | |
| Gaskets (Viton by default):  PTFE  Other…………….… | | | | | | | | |
| Distance between sensor and safe area | | | | | | | | | | ……………m | | | | | None Measuring chamber / Flow cell  Weld mounting flange Other……………………………. | | | | | | | | |
| Sanitary  Hygienic (EHEDG)  None | | | | | | | | | | | | | | |
| **11 – DETAILS OF PROCESS, ASSEMBLIES, MEASUREMENT POINTS** | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | |