|  |  |  |
| --- | --- | --- |
| **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**  |
|  |