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Level Application Data Sheet

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Email To: info@shackservices.com or For assistance:** 662.890.9694 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Instructions:** Navigate through the form using the TAB key or mouse. To select a checkbox, click with mouse or press the SPACEBAR. To select units, click and choose from drop-down menu. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Requestor Information* | | | | | | | | | | | | | | | | | | | | *Customer Information* | | | | | | | | | | | | | | | | | | | | *End-User Information* | | | | | | | | | | | | | | | | | |
| Company Name: | | | | | |  | | | | | | | | | | | | | | Company Name: | | | | | | | | |  | | | | | | | | | | | Company Name: | | | | | | | | | | | | |  | | | | |
| Requestor Name: | | | | | |  | | | | | | | | | | | | | | City: | | | | | | | | |  | | | | | | | | | | | City: | | | | | | | | | | | | |  | | | | |
| Phone: | | | | | |  | | | | | | | | | | | | | | State\*: | | | | | | | | |  | | | | | | | | | | | State\*: | | | | | | | | | | | | |  | | | | |
| E-mail | | | | | |  | | | | | | | | | | | | | | Country\*: | | | | | | | | |  | | | | | | | | | | | Country\*: | | | | | | | | | | | | |  | | | | |
| **Selected Part Numbers:** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Process** **Information** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type: | | Storage | | | | | | | | | | | Process | | | | | | | | Pump station | | | | | | | | | | | | | | | Open channel | | | | | | | | | | Separator | | | | | | FSPO | | | | Reactor | |
| **Tank top:** | | Open | | | | | | | | | | | Flat | | | | | | | | Conical | | | | | | | | | | | | | | | Parabolic | | | | | | | | | | | | | | | | | | | | | |
| Tank bottom: | | Sloped | | | | | | | | | | | Flat | | | | | | | | | | | | | | | | | | | | | | | Conical | | | | | | | | | | Parabolic | | | | | | | | | | | |
| Internal equipment and/or obstruction | | | | | | | | | No | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Yes | | | | | | | | Please list: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tank: | | **Height**:        in  ft  m | | | | | | | | | | | | | | | | | | | | | | | | **Diameter**:        in  ft  m | | | | | | | | | | | | | | | | | | | | | | **Filling** **method:** | | | | | | | | | |
| **Measurement** **type:** | | | | | | | | | | | Point Level | | | | | | | | | | | | | | | Continuous Level | | | | | | | | | | | | | | | | | | | | | | Volume | | | | | Flow | | | | |
| **Insertion** **length:** | | | | | | | | | | | in  ft  m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Area Classification: | | | | | | | | | | | General Purpose | | | | | | | | | | | | | | | | | I.S. | | | | | | FM/CSA – Please specify Groups | | | | | | | | | | | | | | | | | | | | | | | |
| Material Type: | | | | | | | Liquid: Name:       Concentration       % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Corrosive:       Specify | | | | | | | | | | | | | |
| **Foam:** | None | | | | | | Dry | | | | | | | | Wet | | | | | | | | Wet/dense | | | | | | | | | | | | | | Vapor: | | | | | | | Yes | | | | | | | No | | | | | | |
| **Atmosphere:** | | | | | | | Air | | | | | | | | Other – Specify | | | | | | | | | | | | | | | | Homogenous: | | | | | | | | | | | | | Yes | | | | | | | No | | | | | | |
| Material Type: | | | | | Solids | | | | | | | | | Specify: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dust: | | | | | None | | | | | | | | | Light | | | | | | | | Heavy | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
| Particle size: | | | | | Fine dust/powder, < (0.2”) | | | | | | | | | | | | | | | | | | | | Grains (rice,corn), < (0.8”) | | | | | | | | | | | | | | | | | | | | Small stones/gravel, < (0.8”) | | | | | | | | | | | | |
|  | | | | | Small rocks/chunks, < (0.8”) | | | | | | | | | | | | | | | | | | | | | | | | | | | Large particles, < (3.5”) | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Dielectric Constant:** | | | | | | | | | |  | | | | | | | | | **Constant Dielectric:** | | | | | | | | | | | | | | | | | | | | | | | Yes | | | | | | | | No | | | | | | | |
| **Buildup:** | | | | | | | | | | Yes | | | | | | | | | | | | | | | | | | | | No | | | | | | | | | | | | **Turbulence:** | | | | | | | | Yes | | | | | | | No |
| **Maximum viscosity:** | | | | | | | | | | 1 to 5 cSt (Water) | | | | | | | | | | | | | | | | | | | | 5 to 20 cSt (Machine oil) | | | | | | | | | | | | | | | | | | | 20 to 50 cSt(Cooking oil) | | | | | | | | |
|  | | | | | | | | | | 50 to 100 cSt(Honey) | | | | | | | | | | | | | | | | | | | | 100 to 500 cSt (Syrup) | | | | | | | | | | | | | | | | | | | >500 cSt (Tar) | | | | | | | | |
| **Material temperature:** | | | | | | | | | | Norm: | | | | | | | | F  C | | | | | | | | | | | | Max: | | | | | | | | | F  C | | | | | | | | | | | | | | | | | | |
| **Material surface:** | | | | | | | | | | Flat | | | | | | | | Turbulent | | | | | | | | | | | | Agitated | | | | | | | | | Vortex | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Installation** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nozzle: | | Length: in  ft  m Diameter:        in  ft  m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **Mounting** **Connection:** | | | | | | | | | | | | |  | | | |
| **Distance** **to** **Sidewall:** | | | | | | | | | | | | in  ft  m | | | | | | | | | | | | | | | **Mounting** **connection** **maximum** **temperature:** | | | | | | | | | | | | | | | | | | | | | | | | | | | F  C | | | |
| **Max**. **temperature** **at** **electronics:** | | | | | | | | | | | | | | | | | | | | | | | | | | | F  C | | | | | | | | | | | **Stilling** **well** **diameter:** | | | | | | | | | | | | | | | |  | | | |
| **Mounting** **location:** | | | | | | | | Side | | | | | | | | | | | | | | | | | | | Center | | | | | | | | | | | Separation | | | | | | | | | Bypass/Sidepipe mount | | | | | | | | | | |
| Pipe mount | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Displacer replacement | | | | | | | | | | | | | | | | | | | |
| **Transmitter** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Input Power: | | | | AC - Specify | | | | | | | | | | | | | | | | | | | | DC - Specify | | | | | | | | | | | | | | | | | | | Battery DC - Specify | | | | | | | | | | | | | | |
| **Inputs** **required:** | | | | | | | | | | | | | | | | Outputs required: | | | | | | | | | | | | | | | | | | | | | | | | | | | **Communications:** | | | | | | | | | | | | | | |
| 4-20 mA | | | Digital Input | | | | | | | | | | | | | 4-20 mA | | | | | | | | | | | | | | | | | | | Pulse | | | | | | | | None | | | | | | | | | | | | AB Remote I/O | | |
| PID | | | LVDT | | | | | | | | | | | | | 0-10V | | | | | | | | | | | | | | | | | | | Frequency | | | | | | | | Modbus 232 | | | | | | | | | | | | AB DeviceNet | | |
| Load Cells | | |  | | | | | | | | | | | | | Relay | | | | | | | | | | | | | | | | | | | PID | | | | | | | | Modbus 485 | | | | | | | | | | | | Profibus-DP | | |
| Pump Interlocks #: | | | | | | | | | | | | | | | | Remote Totalizer | | | | | | | | | | | | | | | | | | | | | | | | | | | RS-232 | | | | | | | | | | | | Profibus-PA | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | HART ® | | | | | | | | | | | | Foundation FB | | |
| **Calibration** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Accuracy** **Required:** | | | | | | | | | | | | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Disclaimer**

The information contained in this data sheet is believed to be accurate however we do not assume any responsibility for errors or any liability arising from the application or use of any product herein. This data sheet neither states nor implies warranty of any kind, including fitness for any particular application.

Insert a photo or a sketch of the application, if available: Simply copy and paste into this table. Bitmaps should be no larger than 640 X 48

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