MAGNETROL® / AMETEK® LEVEL MEASUREMENT SOLUTIONS

Genesis® Model ED1/ED2 Emulsion Detector Questionnaire

(Please complete both pages.)

REFERENCE INFORMATION

Customer/Company: ____________________

City, State, Country: ____________________ SIC: __________ Date: __________

Contact/Title: ____________________

Phone: __________ Fax: __________ E-mail: __________

RFQ Number: __________ P. O. Number: __________

Tag Number(s): ____________________

Submitted by: Rep Agency and Salesperson __________ Rep Code: __________

FOR OFFICE USE:

INSTRUMENT

Model Number: Detector [E][D][ ] — [2][1][ ][ ] — [ ][ ][ ] Quantity: __________

Probe [P][ ][ ] — [ ][ ][ ][0] — [A][0][ ] — [ ][ ] — [ ][ ][ ]

Note: Customer is responsible for material compatibility.

PROCESS DATA

Process Name/Description: ____________________

Process Media: ____________________

Process Temperature: ☐ AMB ______ min. ______ max. ☐ °F ☐ °C

Process Pressure: ☐ ATMOS ______ min. ______ max. ☐ PSIG ☐ Bar ☐ KPA

Temperature at Instrument: ☐ AMB ______ min. ______ max. ☐ °F ☐ °C

Emulsion Layer Thickness: ____________________

Viscosity: ______ Centipoise @ Temperature ______ ☐ °F ☐ °C

Will media coat probe? ☐ No ☐ Yes: ☐ Film or ☐ Bridging ☐ Solids

External Environment: ☐ Normal ☐ Corrosive ☐ Salt

Agency: ☐ FM ☐ CSA ☐ ATEX IEC Area Classification: ☐ Hazardous: Cl ____ Div ____

Remote Distance: ____________________

Required Materials of Construction: __________ Construction Code: ☐ Industrial ☐ ASME B31.3

Vessel Type: ☐ Vertical Cylindrical ☐ Horizontal Cylindrical ☐ Sphere

☐ Sump/Pit ☐ Side mounted Chamber/Cage ☐ Other __________

Vessel Size: Height ______ Width ______ Diameter ______ Unit of Measure ______

Process Connection: __________ Nozzle Length: __________

Type of Filling: ☐ Top ☐ Bottom ☐ Side (At what level? ____________________)

Liquid Surface: ☐ Calm ☐ Moderate Turbulence ☐ Vortex ☐ Flowing Foam Present: ☐ Yes ☐ No

Agitation: ☐ No ☐ Yes ☐ During Filling ☐ During Emptying ☐ Between Fill and Empty

Other Objects in Vessel: ☐ No ☐ Yes ____________________ (Please include sketch on page 2)

Minimum distance from probe rod to any metallic object (i.e., nozzle, tank wall, electrical grid, etc.): __________

PERFORMANCE

Measurement requirement (with respect to the bottom of the vessel):

The maximum level height of the water (interface) level is __________

The minimum level height of the water (interface) level is __________

The typical operating water (interface) level is __________

The maximum level height of the Upper Level is __________

The minimum level height of the Upper Level is __________

The typical operating Upper Level is __________

To ensure optimum high level performance, install such that the maximum level is a minimum of 8" (200mm) below the process connection. This may include utilizing a nozzle or spool piece to raise the probe. Consult factory for further information.

PRE-CONFIGURE ANALOG OUTPUTS (AO1, AO2, AO3, and AO4):

Upper Level = AO ____________

4mA (0%) point is ____________

20mA (100%) point is ____________

Process Variables:

☐ PV ☐ SV ☐ TV ☐ QV ☐ Unknown

Emulsion Top Level = AO ____________

4mA (0%) point is ____________

20mA (100%) point is ____________

Process Variables:

☐ PV ☐ SV ☐ TV ☐ QV ☐ Unknown

Water Level = AO ____________

4mA (0%) point is ____________

20mA (100%) point is ____________

Process Variables:

☐ PV ☐ SV ☐ TV ☐ QV ☐ Unknown

Sand Level = AO ____________

4mA (0%) point is ____________

20mA (100%) point is ____________

Process Variables:

☐ PV ☐ SV ☐ TV ☐ QV ☐ Unknown