

Level Measurement Application Information Sheet

Company name: _____
 Address: _____
 City, State, Zip: _____
 End user (destination) _____

Contact name: _____
 Phone number: _____
 Email address: _____

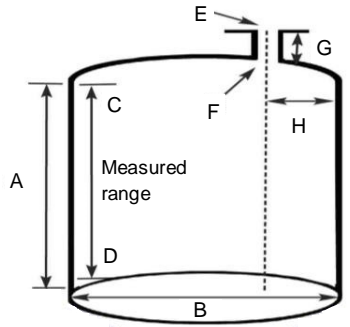
General Information

Measurement type, Non-contact Contacting Contacting (level and interface measurement)
 Measuring principle, FCW radar TDR radar Ultrasonic Displacer Magnetic bypass level indicator (MLI)

Tank/ vessel tag # _____
 Tank/ vessel material, _____

A .. tank/ vessel height _____ E .. process connection _____
 B .. tank/ vessel width C _____ F .. nozzle diameter _____
 .. maximum fluid level _____ G .. nozzle height _____
 D .. minimum fluid level _____ H .. nozzle center to wall _____

Stilling well/ stand pipe? No Yes _____
 (describe dimensions and material)



Process conditions

Medium name _____ Liquid Sludge Powder Paste
 Characteristics, Clean Crystallizes Deposits Coats Dusty
 Medium surface, Smooth Foams Strong surface movement (agitated tank)
 Dielectric constant, Upper _____ Lower _____ (required for level interface measurement)
 Vessel pressure, Normal _____ Minimum _____ Maximum _____ psia psig bara barg
 Medium temperature, Normal _____ Minimum _____ Maximum _____ °F °C

Magnetic bypass level indicator (MLI) specifications, if applicable

Measuring length _____ Chamber mat'l _____ Vent required? _____
 Centerline length _____ Float material _____ Drain required? _____
 Mode of operation _____ Sealing _____ Isolation valves _____
 Process connections _____ Indicator / scale _____ Transmitter? _____
 Orientation _____ Limit switch (s) _____

FMCW & TDR radar specifications

Process connection, Size: _____ ASME 150# ASME 300# ASME 600# ASME 900# ASME 1500# ASME 2500#
 RF facing FF facing inch NPT _____
 Feedthrough seal, Without FKM/FPM Kalrez 6375 EPDM PFA Metaglass® dual sealing
 Sensor material, 316 SST 316L SST Hastelloy PTFE PVDF Polypropylene
 FMCW radar sensor, Drop antenna Horn antenna Wave horn Hygienic antenna
 FMCW radar options, _____ _____
 TDR radar sensor, Length: _____ Single cable Double cable Single rod Double rod Coaxial
 TDR radar options, _____



FMCW & TDR radar specifications

Agency approvals,	<input type="checkbox"/> Without	<input type="checkbox"/> SIL2 compliant	<input type="checkbox"/> FDA	<input type="checkbox"/> NACE-design MR0175
	<input type="checkbox"/> FM IS	<input type="checkbox"/> FM XP	<input type="checkbox"/> _____	
Signal converter,	<input type="checkbox"/> Without	<input type="checkbox"/> Compact-mounted	<input type="checkbox"/> Remote-	(remote signal cable length) _____
Orientation,	<input type="checkbox"/> Horizontal	<input type="checkbox"/>		
Display,	<input type="checkbox"/> Without HMI	<input type="checkbox"/> with HMI display on the side	<input type="checkbox"/> with HMI display on the top	
Converter housing,	<input type="checkbox"/> Aluminum	<input type="checkbox"/> Stainless steel	<input type="checkbox"/> with weather protection cover	
Power supply,	<input type="checkbox"/> 24 VDC	<input type="checkbox"/> 120 VAC		
Output signal,	<input type="checkbox"/> Without	<input type="checkbox"/> _____		
Communication protocol,	<input type="checkbox"/> HART	<input type="checkbox"/> Profibus PA	<input type="checkbox"/> Foundation Fieldbus	
Calibration,	<input type="checkbox"/> Standard	<input type="checkbox"/> 2-point calibration	<input type="checkbox"/> 5-point calibration	

Notes/ comments: