KROHNE
measure the facts

Level Measurement
Application Information Form

Company name _____ Contact name _____
Address _____ Phone number _____
City, State, Zip _____ Email address _____

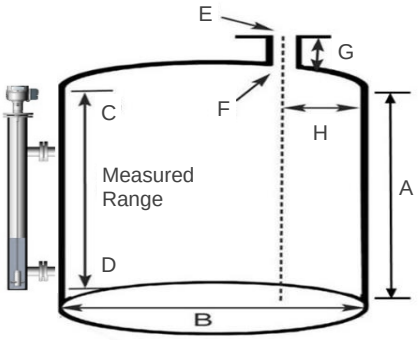
General Information

Equipment tag # _____

Measurement type,
- ☐ Non-contacting level
- ☐ Contacting level
- ☐ Level + Interface measurement

Measuring principle,
- ☐ FMCW radar
- ☐ TDR radar
- ☐ Magnetic bypass level indicator

Bypass chamber/ pipe, _____
(dimensions and material)



A) Vessel height _____
B) Vessel width _____
C) Maximum fluid level _____
D) Minimum fluid level _____
E) Process connection _____
F) Nozzle diameter _____
G) Nozzle height _____
H) Nozzle center to wall _____

Process conditions

Medium name, _____

Dielectric constant, Top liquid _____
Bottom liquid _____ *(required for level interface measurement)*

Medium temperature, Minimum _____ Maximum _____ ☐ °F ☐ °C

Vessel pressure, Minimum _____ Maximum ☐ psig ☐ barg

Media state	Characteristics	Liquid surface
☐ Liquid	☐ Clean	☐ Smooth
☐ Powder	☐ Coats	☐ Agitated
☐ Paste	☐ Crystalizes	☐ Foams
☐ Sludge	☐ Deposits	
	☐ Dusty	

Magnetic bypass level indicator (MLI)

Mode of operation, ☐ Indication ☐ Detection ☐ Continuous measurement

Measuring length, _____ Centerline length _____
Vent required? _____ Drain required? _____
Process connections, _____ Isolation valves? _____

Inlet/outlet orientation
- ☐ axial/axial ☐ top axial/ bottom lateral
- ☐ lateral/lateral ☐ top lateral/ bottom axial

Seal material, ☐ without ☐ Aramid (std) ☐ PTFE ☐ graphite

Chamber material, ☐ 316L SST ☐ 316Ti SST ☐ 316L SST w/ PTFE lining

Float material, ☐ 316L SST ☐ 316Ti SST ☐ Titanium
☐ PVDF ☐ PVC ☐ PTFE

Indicator scale type, ☐ without scale ☐ Index ☐ Flaps

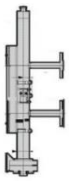
Indicator scale units, ☐ feet + inches ☐ m + cm ☐ volume ☐ % simplified

Limit switch (s), ☐ without ☐ _____

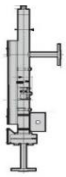
Transmitter,
- ☐ without ☐ 4-20mA ☐ 4-20mA (HART)
- ☐ Profibus PA ☐ Foundation Fieldbus
- ☐ TDR radar ☐ FMCW radar

BM26 series

Magnetic bypass level indicator (MLI)
Max lenght 18 ft.

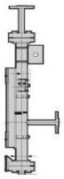


lateral/lateral
process connections



top lateral/bottom axial
process connections

axial/axial
process connections



top axial/bottom lateral
process connections

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Signal converter / transmitter specifications

Agency approvals, ☐ without ☐ SIL2 compliant
☐ FM IS (C1,D1) ☐ CSA IS (C1,D1)
☐ FM XP (C1,D1) ☐ CSA XP (C1,D1)
☐ FM NI (C1,D2) ☐ CSA NI (C1,D2)
☐ _____

Signal converter, ☐ Integral ☐ Remote Cable length: _____
Converter housing, ☐ Aluminum ☐ 316 SST ☐ with sun protection cover
HMI display, ☐ without HMI ☐ with HMI display

Output signal, ☐ mA (HART) ☐ mA (HART) + mA (non-HART)
☐ Profibus PA ☐ Foundation Fieldbus
☐ mA (HART) - INTERFACE
☐ mA (HART) + mA (non-HART) - INTERFACE

Integral / compact-mounted version

Remote / field-mounted version

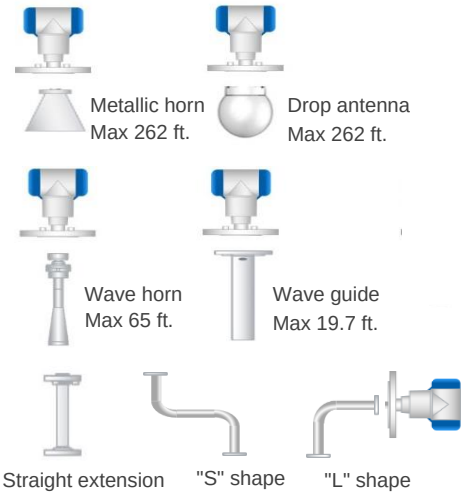
Signal converter can be installed up to 328 feet from sensor

FMCW radar antenna specifications

FMCW antenna type, ☐ Metallic horn ☐ Wave horn ☐ Wave guide ☐ Drop
Antenna material, ☐ 316L SST ☐ HC22 ☐ PTFE ☐ PP
Gasket (process seal) ☐ FKM/FPM (std) ☐ EPDM ☐ Kalrez 6375 ☐ Metaglas
Calibration, ☐ without ☐ 2-point ☐ 5-point

Extended options, ☐ Antenna purging system - Metallic horn only
☐ PTFE flange protection plate
☐ PP flange protection plate
☐ _____

Process connection, Size: _____ ☐ ASME ☐ inch NPT ☐ Tri-clamp
☐ 150# RF ☐ 300# RF ☐ 600# RF
☐ 900# RF



TDR radar probe specifications

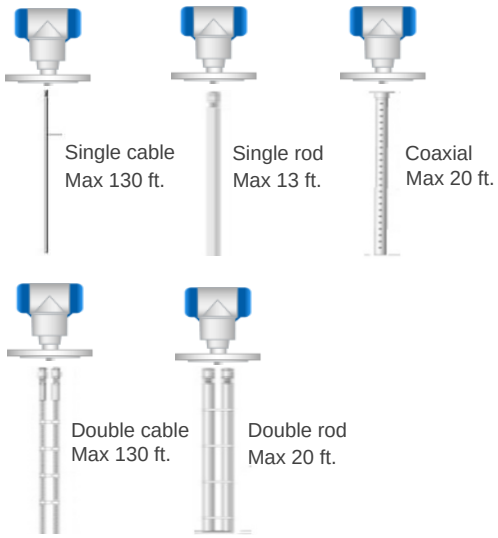
TDR probe length, _____

TDR probe type, ☐ Single cable ☐ Single rod ☐ Coaxial
☐ Double cable ☐ Double rod

Probe material, ☐ 316 SST ☐ 316L SST ☐ Duplex SST ☐ HC22
☐ Titanium ☐ Tantalum ☐ Monel
☐ PP sheath ☐ FEP sheath ☐ PVDF sheath

Probe end type, ☐ without ☐ _____

Gasket (process seal), ☐ FKM/FPM (std) ☐ EPDM ☐ Kalrez 6375 ☐ Metaglas

Calibration, ☐ without 2-point ☐ 5-point

Process connection, Size: _____ ☐ ASME ☐ inch NPT ☐ Tri-clamp
☐ 150# RF ☐ 300# RF ☐ 600# RF
☐ 900# RF ☐ 1500# RF ☐ 2500# RF