KROHNE

measure the facts

OPTIFLUX Electromagnetic flowmeter

Application Information Form

Company name _____ Contact name _____

Address _____ Phone number _____

City, State, Zip _____ Email address _____

General Information

Equipment tag# _____

Agency approvals, ☐ Without

☐ FM Class 1, Div 2 ☐ FDA

☐ CSA Class 1, Div 2 ☐ 3A (American Dairy)

☐ CSA GP ☐ NSF drinking water

☐ _____ ☐ _____

Process line size: _____

Schedule/ material: _____

Full pipe? ☐ yes ☐ No

Meter orientation, ☐ Horizontal

☐ Vertical

☐ Inclined

Process conditions

Fluid name, _____

Fluid properties, Density _____ Sp. gravity _____

Viscosity _____ Conductivity _____ µMhos _____

Fluid flow rate, Norm/ Min/ Max _____ / _____ / _____ units: _____

Fluid temperature, Norm/ Min/ Max _____ / _____ / _____ ☐ °F ☐ °C

System pressure, Norm/ Min/ Max _____ / _____ / _____ ☐ psig ☐ _____

Are there solids present? ☐ No ☐ Yes

Describe: _____

Is the fluid abraisive? ☐ No ☐ Yes

Describe: _____

Is entrained air present? ☐ No ☐ Yes

Describe: _____

Signal converter/ transmitter

Converter model, ☐ IFC 100

☐ IFC 300

☐ IFC 050 with display

☐ IFC 050 without display

Converter type, ☐ Compact ☐ Wall (W)

☐ Field (F) ☐ 19" Rack (R)

Signal cable length: _____

Converter housing, ☐ Aluminum ☐ Polyurethane

☐ 316 SST ☐ _____

Power supply, ☐ 12-24 VDC ☐ Battery powered

☐ 100-230 VAC

Output signal, ☐ Current ☐ Pulse ☐ Status

Communications, ☐ HART ☐ PA ☐ DP

☐ Modbus ☐ Foundation Fieldbus

Base IO module: _____

1st. IO module: _____

2nd IO module: _____

Notes: _____

Compact or wall mount

IFC 050 series

- Low-cost converter for simple applications
- With or without display
- HART, Modbus
- General purpose locations

IFC 100 W
Wall mount

IFC 100 C
Compact

IFC 100 series

- Economical converter
- HART, FF, Profibus, Modbus
- FM, CSA, ATEX

IFC 300 W
Wall mount

IFC 300 C
Compact

IFC 300 R
Rack mount

IFC 300 F
Field-mount

IFC 300 series

- High-performance converter
- Highest measuring accuracy
- 3 x 100% diagnostics
- Control input
- HART, FF, Profibus, Modbus
- FM, CSA, ATEX
- Virtual grounding
  no grounding rings required

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Electromagnetic flow sensor

Sensor model,
- ☐ OPTIFLUX 1000
- ☐ OPTIFLUX 2000
- ☐ OPTIFLUX 4000
- ☐ OPTIFLUX 5000
- ☐ OPTIFLUX 6000
- ☐ OPTIFLUX 7000
- ☐ TIDALFLUX 2300F
- ☐ WATERFLUX

Process connections, Size: _____
- ☐ ASME 150# RF
- ☐ ASME 300# RF
- ☐ ASME 600# RF
- ☐ ASME 900# RF
- ☐ ASME 1500# RF
- ☐ Wafer style (sandwich)
- ☐ inch NPT
- ☐ _____

Liner material,
- ☐ PFA
- ☐ ETFE (Tefzel)
- ☐ PTFE (Teflon)
- ☐ Ceramic
- ☐ Hardrubber
- ☐ Polyurethane
- ☐ Polypropylene
- ☐ Rilsan

Electrode material,
- ☐ Stainless steel
- ☐ Hastelloy
- ☐ Titanium
- ☐ Tantalum
- ☐ Platinum
- ☐ Cerment

Sensor housing,
- ☐ Carbon steel
- ☐ 316L SST
- ☐ 304 SST

Flange material,
- ☐ Carbon steel
- ☐ 304 SST
- ☐ 316L SST
- ☐ 316Ti SST

Grounding rings,
- ☐ Without
- ☐ 316 SST
- ☐ HC22
- ☐ Virtual grounding
- ☐ Titanium
- ☐ Tantalum

Grounding ring type,
- ☐ #1 grounding ring

  Most common grounding ring type used to create an electrical ground.
- ☐ #2 grounding ring

  Recommended for vacuum pressures, or fluctuating temperature or pressure applications - used with PTFE liners only
- ☐ #3 grounding ring

  Recommended for abrasive slurry applications - use # 3 type only on inlet side, and #1 type on dischage

OPTIFLUX 1000

- Economical Solution
- 3/8" to 6" wafer connections
- PFA liner
- -13 to 248 F

OPTIFLUX 4000

- Process flowmeter
- 1/10' to 80" process connections
- PFA, PTFE, ETFE, PU liner
- -40 to 356 F

OPTIFLUX 5000

- Ceramic lined process meter
- 3/8" to 10" process connections
- Wafer-style or flanged
- -76 to 356 F

OPTIFLUX 7000

- Demanding applications
- Non-contacting electrodes
- LEAK proof solution
- Ceramic liner

OPTIFLUX 2000

- Water and wastewater
- 1" to 120" process connections
- Hardrubber, PP liner

TIDALFLUX 2300F

- Partially filled pipelines
- 8" to 72" process connections
- Polyurethane liner

WATERFLUX 3000

- No inlet/outlet requirments
- 1" to 12" process connections
- Rilsan liner

WATERFLUX 3070

- Battery powered water meter
- 1" to 24" process connections
- Rilsan liner

OPTIFLUX 6000

- Food & Pharmaceutical meter
- 1/10" to 6" hygienic process connections
- PFA liner

Notes/ comments: _____