

OPTIFLUX Electromagnetic Flowmeter Application Information Sheet

Company name:			Contac	ct name:		
Address:			Phone	number:		
City, State, Zip:	Email address:					
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General Information						
Equipment tag #						
Piping information,	Pipe size:	Schedule:	Material:			
Meter orientation,	☐ Horizontal	□ Vertical	☐ Inclined	Full pipe?	☐ yes ☐ No	
Agency approvals,		☐ FM Class 1, Div 2				
	☐ FDA approval	☐ NSF drinking wate	r 🗆			
Decree and division						
Process conditions						
Fluid name,	☐ Continous service	Databing comics				
Flow conditions,		· ·				
Flow rate,	Normal	Minimum	Maximum		units:	
System pressure,	Normal	Minimum	Maximum		□ psig □ barg	
Fluid temperature,	Normal	Minimum	Maximum		□ °F □ °C	
Fluid properties,	Density	Sp. gravity	Viscosity		Conductivity	_ µMhos
	Any solids present?	☐ No ☐ Yes	describe:			
	Is fluid abrasive?	□ No □ Yes	describe:			
	Entrained air present?	□ No □ Yes	describe:			
Signal converter/ transmitter						
Converter type,	☐ Integral-mounted	☐ Field-mounted		remote signal o	cable length:	
Converter housing,	☐ Die-cast aluminum	\square Stainless steel	☐ Polycarbonate			
Power supply,	☐ 12-24 VDC	☐ 100-230 VAC	☐ Battery powered	I		
IO communications,	☐ HART	RS485 Modbus	☐ Profibus PA	☐ Profibus DP	☐ Foundation Fie	eldbus
	Base IO module:					
	1st. IO module:					
	2nd IO module:					
Reference method,	☐ Standard method	☐ Virtual reference	method (grounding	rings not require	d)	
Flow sensor						
Liner material,	☐ PFA	☐ PTFE (Teflon)	☐ ETFE (Tefzel)	☐ Polyurethane	e Polypropylene	☐ Ceramic
,	☐ Hard rubber	Rilsan	, ,	•	,, ,,	
Electrodes,	☐ Hastelloy C22	☐ Stainless steel	☐ Platinum	☐ Titanium	☐ Tantalum	☐ Cerment
Grounding rings,	☐ Without	☐ 316 Ti SST	☐ Hastelloy	☐ Titanium	☐ Tantalum	
Sensor housing,	☐ Carbon steel	□ 316L SST	☐ 304 SST	_ mamam		
Flange material,	☐ Carbon steel	☐ 316L SST	☐ 304 SST	☐ 316Ti SST		
i iange material,	Carbon steer	310L 331	304 331	☐ 31011 33 1		
Process connections,	Size:	☐ ASME 150#	☐ ASME 300#	☐ ASME 600#	☐ ASME 900#	☐ ASME 1500#
	☐ Raised face	☐ Wafer-style	□ NPT	\square AWWA		



Documentation (QA/QC)

✓ KROHNE standard (IOM + calibration certificate))		
☐ Certificate of compliance	☐ Positive material identification (PMI)	☐ Welding book (WPQ, WPS & PQR)	
☐ General arrangement drawing	☐ Test report including pressure test	☐ Inspection certificate	
☐ Construction drawing (GA) for approval	☐ Radiographic examination (RT)	☐ Inspection & test plan	
☐ Material certificates	☐ Liquid (dye) penetrant examination (PT)	☐ Detailed production planning	
Notes/ comments:			

KROHNE Electromagnetic Flowmeters



OPTIFLUX 1000
The economical Solution



OPTIFLUX 2000 Water and wastewater meter



OPTIFLUX 4000 Solution for the process industry



OPTIFLUX 6000 Food and pharmaceutical



OPTIFLUX 5000/7000 Ceramic liner with non-wetted electrodes

Excellent chemical resistance

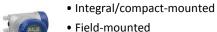


TIDALFLUX
For partially filled pipelines



WATERFLUX Battery-powered water meter

Signal converter/ transmitter types



- Wall-mounted
- Rack-mounted

Communications protocol

- HART
- Foundation Fieldbus
- RS485 Modbus
- Profibus PA or DP

Out-of-Spec Diagnostics

- accuracy test
- gas bubbles
- liner damage
- low conductivity
- electrode corrosion, deposit on electrodes
- short circuit
- external magnetic fields
- partial filling of measuring tube