Data Declaration *Coriolis FLOWMETER*	No.: 004Coriolis	Rev. 4	Page 1 of 1
		Name: Coriolis Rheonik Flowmeter	
		Approved: 10/4/2012	

Revision	Name	Approved	Description
Rev 4	Coriolis Rheonik Flowmeter	10/4/2012	10/4/2012

Data Declaration

Declaration

We,

GE Sensing & Inspection Technologies GmbH
Rudolf - Diesel - Str. 5
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declare in sole responsibility that the

Coriolis Mass Flow Meters Series RHM

have the following safety related characteristics:

Safety Related Characteristics	Coriolis Mass Flow Meter Series RHM
λ_s Safe Failure Rate	1820 [Fit]
λ_{du} Dangerous undetected Failure Rate	35 [Fit]
λ_{dd} Dangerous detected Failure Rate	424 [Fit]
PFH value (Probability of Dangerous Failure per Hour value)	35 [Fit]
PFD $_{avg}$ value (Proof-Test T_1 = 1a) Probability of Failure on Demand (average)	$1{,}64*10^{-4}$
SFF [%] (Safe Failure Fraction [%])	98
DC [%] (Diagnostic Coverage [%])	92

Table 1: Quantitative results in a proven in use assessment according to IEC 61508 SIL 2 (for the calculation of the PFD avg the Mean Repair Time MRT = 24 h, the Mean Time to Restoration = 24 h and the Proof Test Interval T_1= 8760h).

Issue Date

October 4th , 2012

Signatory

October 4th , 2012
Date

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