

SIL Declaration of Conformity

Functional safety of level measuring device according to IEC 61508-2 1999

AMETEK Drexelbrook
205 Keith Valley Rd. Horsham Pennsylvania 19044

declares as manufacturer, that the level measuring device

Intellipoint S2RXTX Series

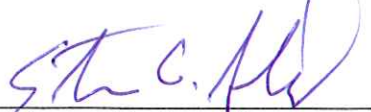
Is suitable for the use in a safety instrumented system for SIL 2 (overflow protection) according to standard IEC61508-2, Sec. 7.4.3.1 1999, if the safety instructions are observed.

The data in this declaration provides the required hardware failure data and does not contain any software assessment required for the full functional safety requirements of IEC 61508


The third party FMEDA with analysis of the safety critical and dangerous faults provides, under the assumption of an annual functional test cycle the following parameters:



SIL (Safety Integrity level)	1
HFT (Hardware Fault tolerance)	0
SFF (Safe failure fraction)	93.2%
PFD _{avg} (Fail to Danger)	3.2 x 10 ⁻⁴
λ _{du} (failure rate dangerous undetected faults)	73 FIT
λ _{dd} (failure rate dangerous detected faults)	686 FIT
λ _{su} (failure rate safe undetected faults)	300 FIT
λ _{sd} (failure rate safe detected faults)	0 FIT


 Steven G. Arnold
 AMETEK Drexelbrook
 Quality Assurance & Product Safety Manager

8-15-2011
 Date

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ISSUE	EDO NO.	APP'D	DATE	
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2	8-11-107		8-15-2011	