

## 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

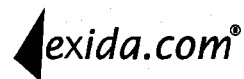
declares as manufacturer, that the level measuring device

### Intellipoint RXTX Series

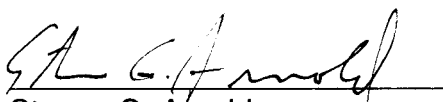
Is suitable for the use in a safety instrumented system for **SIL 2** (overflow protection) according to standard IEC61508-2, Sec. 7.4.3.1 1999, if the safety instructions are observed.

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)	:	2
HFT (Hardware Fault tolerance)	:	0
SFF (Safe failure fraction)	:	93.2%
PFD <sub>avg</sub> (Fail to Danger)	:	$3.2 \times 10^{-4}$
$\lambda_{du}$ (failure rate dangerous undetected faults)	:	73 FIT
$\lambda_{dd}$ (failure rate dangerous detected faults)	:	686 FIT
$\lambda_{su}$ (failure rate safe undetected faults)	:	300 FIT
$\lambda_{sd}$ (failure rate safe detected faults)	:	0 FIT

  
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Date

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