

CERTIFICATE FUNCTIONAL SAFETY DATA SHEET®

Holder	Siemens AG Karlsruhe Germany
Compliant Item	OXYMAT 6
Intended application	The above listed product is used as an extractive analyser (O2) for the process industry
Basis of testing	IEC 61508:2010 IEC 61511:2003
Report	4.92.100
Assessment includes	<input type="checkbox"/> Management of Functional Safety <input checked="" type="checkbox"/> Hardware requirements <input checked="" type="checkbox"/> Reliability requirements <input checked="" type="checkbox"/> Software requirements <input checked="" type="checkbox"/> User Documentation
Functional Safety Data	
Safety function	See technical report
Mode	Low demand
Type	B
Hardware compliance route	2 _H
Systematic compliance route	2 _S
Systematic Capability	SC2
Hardware fault tolerance	0
Failure rates (FIT)	SD = 0 SU = 100 DD = 780 DU = 378.5
Diagnostic coverage	67%
Safe Failure Fraction (SFF)	70%
PFDavg (0.25Y)	4.1E-04
PFSavg (0.25Y)	4.3E-04
Safety Integrity Level Capability	2
Spurious Trip Level Capability	4
Date	2013-11-16

Certifier