

FUNCTIONAL SAFETY DATA SHEET®

Product(s)	SITRANS TR200 (HW Version 01.00, 01.02) SITRANS TR300 (HW Version 01.00, 01.02)
Manufacturer	Siemens
Intended application	The above listed products are used as temperature transmitters in the process industries
Basis of testing	IEC 61508:1999 IEC 61511:2003
Report	The test report 101.108.287 of 2010.07.27 is an integral part of this data sheet
Assessment	Proven in use
Operational Hours	TR200 – 12.500.000 TR300 – 28.700.000
Functional Safety Data	
Type	B
Hardware Fault Tolerance	0
Safe Failure Fraction	71%
Safe Detected Failure Rate	0.00 /hour
Safe Undetected Failure Rate	2.03E-7 /hour
Dangerous Detected Failure Rate	1.88E-7 /hour
Dangerous Undetected Failure Rate	1.58E-7 /hour
PFDavg (1Y)	6.92E-4
Fit for use in Safety Integrity Level	SIL2, IEC 61511
Fit for use in Spurious Trip Level®	5

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Date

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