

## FUNCTIONAL SAFETY DATA SHEET<sup>®</sup>

<b>Manufacturer</b>	Mütec Instruments GmbH Bei den Kämpfen 26 21220 Seevetal-Ramelsloh Germany
<b>Product(s)</b>	MSK200...
<b>Intended application</b>	Transmitter supply unit for the process industry
<b>Basis of testing</b>	<ul style="list-style-type: none"><li>▪ IEC 61508:1999</li><li>▪ IEC 61511:2003</li></ul>
<b>Report</b>	The test report 123.101.2 of 2006-09-08 is an integral part of this data sheet
<b>Functional Safety Data</b>	
Type	B
Hardware Fault Tolerance	0
Safe Failure Fraction	91,6%
Safe Detected Failure Rate	8,59E-07 /hour
Safe Undetected Failure Rate	1,27E-06 /hour
Dangerous Detected Failure Rate	6,86E-07 /hour
Dangerous Undetected Failure Rate	2,59E-07 /hour
Dangerous Diagnostic Coverage	72,6%
MTTFd	120,7 years
MTTFs	53,6 years
PFD	See report for sample calculations
PFS	See report for sample calculations
Fit for use in Safety Integrity Level	2
Fit for use in Spurious Trip Level <sup>™</sup>	4

2006-09-08

Date



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