

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

<b>Manufacturer</b>	BD I SENSORS GmbH BD-Sensors-Straße 1 D-95199 Thierstein Germany
<b>Product(s)</b>	DMK 331P Ex
<b>Intended application</b>	The above listed product(s) are used for pressure measurements in the hygienic and food processing industry in Ex environments
<b>Basis of testing</b>	IEC 61508:1999 IEC 61511:2003
<b>Report</b>	The test report 154.101.103 of 2007-02-15 is an integral part of this data sheet
<b>Functional Safety Data</b>	
Type	A
Hardware Fault Tolerance	0
Safe Failure Fraction	61,5 %
Safe Detected Failure Rate	0 /hour
Safe Undetected Failure Rate	5,95E-8 /hour
Dangerous Detected Failure Rate	3,79E-8 /hour
Dangerous Undetected Failure Rate	6,10E-8 /hour
Dangerous Diagnostic Coverage	38%
MTTFd	1154 years
MTTFs	1920 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>	5

2007-02-15

Date



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