

FUNCTIONAL SAFETY DATA SHEET®

Manufacturer

Mütec Instruments GmbH
Bei den Kämpfen 26
21220 Seevetal-Ramelsloh
Germany

Product(s)

MTP200...

Intended application

Universal transmitter unit for the process industry

Basis of testing

- IEC 61508:1999
- IEC 61511:2003

Report

The test report 123.101.2 of 2005-06-10 is an integral part of this data sheet

Functional Safety Data

Type	Mixed A and B	
Subsystem	Type A	Type B
Hardware Fault Tolerance	0	0
Safe Failure Fraction	88,14%	94,14%
Safe Detected Failure Rate	6,05E-7 /hour	2,70E-7 /hour
Safe Undetected Failure Rate	1,07E-6 /hour	8,35E-8 /hour
Dangerous Detected Failure Rate	6,43E-7 /hour	2,65E-7 /hour
Dangerous Undetected Failure Rate	3,12E-7 /hour	3,85E-8 /hour
MTTFd	119,5 years	376,1 years
MTTFs	68,2 years	322,9 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™	4	

2005-06-20

Date



Dr. M.J.M. Houtermans