

Certificate of Compliance

Element / Product / Subsystem

Holder: IMX S.r.l., Milano, Italy

Compliant Item: MT500 IR

Intended Application: Gas detector for the process industry

Basis of testing: IEC 61508:2010
IEC 61511:2003

Assessment include(s):

- Management of function safety
- Hardware requirements
- Reliability requirements (proven in use)
- Software requirements
- Basic safety
- User documentation

Functional safety data:

Safety function: See report

Route: 2H, 2s

Mode: Low demand / Demand mode

Type: B

HFT: 0

Failure rates (FIT): SD=0, SU=781.3, DD=3271.1, DU=131.9

Safe failure fraction: 96.8%

Diagnostic coverage: 96.1%

Fit for use in Safety Integrity Level: SIL 2

Fit for use in Spurious Trip Level[®]: STL 3

Results:

Risknowlogy certifies that the above Compliant Item meets the requirements of the Basis of Testing for the selected assessment(s). The Risknowlogy report 810.185.1 is an integral part of this certificate.

Certificate number: 810.185.2

Issue date: 2015-01-01

Expires: After any modification to hw and/or sw



dr.ir. Michel Houtermans
Certifier

