



Certificate of compliance Product



Holder METTLER TOLEDO

Compliant Item GPro 500 Oxygen Gas Analyzers

Basis of Certification IEC 61508:2010

Certification Include(s)

- Management of functional safety
- Safety requirements specification
- Hardware
- Hardware reliability
- Software
- Basic safety
- User documentation

Functional Safety Data

Safety function: See report
Mode: Low demand / Demand mode
Type: B
HFT: 0
Hardware route: 2_H
Systematic route: 2_S
Systematic capability: SC3
Failure rates (FIT): SD=0, SU=0, DD=2820, DU=292
Diagnostic coverage: 90%
Fit for use up to: SIL 2 (HFT=0), SIL 3 (HFT=1)
Fit for use up to: STL 4

Certification Results Risknowlogy certifies that the above Compliant Item meets the requirements of the Basis of Certification for the selected assessment(s). The Risknowlogy report 3076.607.7 is an integral part of this certificate.

Certificate Number 3076.607.8-3

Initial Certification 2024-12-10

This Certificate 2026-03-26

Expiry Date 2031-03-26

Certifier Dr Michel Houtermans

