



# 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<sub>H</sub>  
Systematic route: 2<sub>S</sub>  
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** 3076.607.8-2

**Initial Certification** 2024-12-10

**This Certificate** 2025-11-18

**Expiry Date** 2030-11-18

**Certifier** Dr Michel Houtermans



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