

# SIL



## Functional Safety Certificate

**No. 6L250430.AMADT73**

Test Report / Technical Construction File no. AMA-20250425-1-SIL3-TCF

**Certificate's Holder:** Anhui Murphy Automation Instrument Co., Ltd  
South side of Wei'er Road and west side of Jingqi Road in Tianchang Economic Development Zone, Anhui Province

**Manufacturer:** Anhui Murphy Automation Instrument Co., Ltd  
South side of Wei'er Road and west side of Jingqi Road in Tianchang Economic Development Zone, Anhui Province

**Product:** Temperature Instrument  
**Model(s):** (see the following annex)

**Standard:** Has been assessed per the relevant requirements of:  
IEC 61508:2010 Parts 1-7

And meets requirements providing a level of integrity to:  
Systematic Capability: SC 3 (SIL 3 Capable)  
Random Capability: Type A Element SIL 2 @ HFT= 0; SIL 3@ HFT=1; Route 2H  
PFD<sub>AVG</sub> and Architecture Constraints must be verified each application

\*Application Restrictions:

The unit must be properly designed into a Safety Instrumented Function per the Safety Manual requirements.

\* Is suitable to be safety function according to the description and the configuration defined in Annex I

**Verification Mark:**



The Verification Mark can be affixed on the product. It is NOT permitted to alter the Verification Mark in any way

**Remark:** This SIL Verification of Compliance has been issued on a voluntary basis. ECM confirms that a Test Report is existent for the above listed product(s) and found to meet the requirements of above standards for application in safety related system up to Safety Level of **SIL 3**. The unit must be properly designed into a Safety Instrument Function as per the requirements in the Safety Manual. The Verification Mark shown above can be affixed on the product. It is NOT permitted to alter the Verification Mark in any way. In addition the Verification's Holder is NOT allowed to transfer the Verification to third parties. This certificate can be checked for validity at [www.entecerma.it](http://www.entecerma.it)

**Date of issue 30 April 2025**

**Expiry date 29 April 2030**

For online check:



**Approver**  
Ente Certificazione Macchine  
Legal Representative  
Luca Bedonni



