



SIL

Functional Safety Certificate

No. 3U250804.SNTQT89

Test Report / Technical Construction File no. SIL-SNTCPCGD-(25)-7

Certificate's Holder: Shenzhen Nuoa Technology Co., Ltd.
1301, 1401, 1501, 1601, Building C1, No.459, Qiaokai Road, Fenghuang Community, Fenghuang Street, Guangming District, Shenzhen, China

Product: Point-type combustible gas detectors for industrial and commercial use

Model(s): GTYQ-SNE600/G-SNE600/SNE600

Standard: Has been assessed per the relevant requirements of:
IEC 61508:2010 Parts 1-3

And meets requirements providing a level of integrity to:
Systematic Capability: SC 2 (SIL 2 Capable)
Random Capability: Type B Element
SIL 2 Capable@ HFT= 0, Route 1_H
PFD_{avg} and Architecture Constraints must be verified each application

* Safety function:

The GTYQ-SNE600/G-SNE600/SNE600 Gas Detector measures combustible gas concentration and subsequently communicate this level to a logic solver via an analog 4-20mA signal.

* 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 2**. 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

Date of issue 04 August 2025

Expiry date 03 August 2030

For online check:



Approver
Ente Certificazione Macchine
Legal Representative
Luca Bedonni



Ente Certificazione Macchine

Via Cà Bella, 243 - 40053 Valsamoggia Loc. Castello di Serravalle (Bo) Italy
☎ +39.0516705141 📠 +39.0516705156 ✉ info@entecerma.it 🌐 www.entecerma.it