

**CERTIFICATE NO FS/71/220/17/0196**

**PAGE 1/1**  
SEITE(N)

ZERTIFIKAT NR.:

**LICENCE HOLDER**  
GENEHMIGUNGSINHABER

**MANUFACTURING PLANT**  
FERTIGUNGSSTÄTTE

DUON SYSTEM CO., LTD  
298-29, Gogdan-ro, Gunpo-si,  
Gyeonggi-do, Republic of Korea

DUON SYSTEM CO., LTD  
298-29, Gogdan-ro, Gunpo-si,  
Gyeonggi-do, Republic of Korea

**PROJECT NO/-ID**  
PROJEKT-NR/-ID

**LICENSED TEST MARK**  
GENEHMIGTES PRÜFZEICHEN

**CERT. REPORT NO.**  
ZERTIFIKATSBERICHT NR.

G04R



G04R0007

**Tested according to**  
Geprüft nach

IEC 61508:2010 Ed.2 and IEC 61511:2003

**Certified product(s)**  
Zertifizierte(s) Produkt(e)

Pressure Transmitter

**Model(s)**  
Modell(e)

APT3100

**Technical Data and Parameter**  
Technische Daten und Parameter

The product fulfils the requirements acc. to IEC 61511:2003 and IEC 61508 Ed.2 in accordance with SIL2 and SC2. It is designed with a hardware fault tolerance HFT = 0 (1oo1- architecture).

**Specific Requirements**  
Spezifische Anforderungen

This certificate confirms the achievement of the requirements of functional safety based on the following proofs:

- Proof of systematic safety integrity for defined phases of the life cycle
- Proof of the required safety-related hardware parameters (SIL 2 failure rate, PFD, SFF by means of FMEDA)
- Proof of the safety-related techniques and measures according to SIL 2
- Proofs that processes and methods are established at the manufacturer guaranteeing that unexceptionable processes in terms of risk analysis, design, production, validation, change management and quality management comply with the safety-related standard (see G04R0007)

**Certification Body  
for Functional Safety  
SGS-TÜV Saar GmbH**

Zertifizierungsstelle für Funktionale Sicherheit

Munich, 2017-02-24

Robert Sammer

The test mark regulation is an integral part of this certificate.  
Die Prüf- und Zertifizierungsordnung ist integraler Bestandteil des Zertifikates.

SGS-TÜV Saar GmbH, Hofmannstrasse 50, 81379 München

Website [www.sgs-tuv-eaar.com](http://www.sgs-tuv-eaar.com) E-mail [fs@sgs.com](mailto:fs@sgs.com)

