

Declaration of Performance

According to the Construction Products Regulation
EU no. 305/2011 and no. EU 574/2014

DoP document no. **21-006**

1. *Unique identification code of product type:*

VM-3000

consisting of the components:

VM-3240VA,	RM-200M,	VP-2421,	CR-27, CR-35,
VM-3360VA,	RM-210,	VP-200VX	CR-40, CR-44,
VM-3240E,	VM-300SV,	VX-2000DS,	NPL65-12I
VM-3360E,	VM-300IS-EB,	VX-2000PF,	(Yuasa)
RM-300MF,	VM-300IM-EB,	VX-200PS,	
RM-320F,	VP-2241,	CR-15, CR-22,	

2. *Indicated use:*

Voice alarm control and indicating

3. *Manufacturer:*

TOA Corporation
7-2-1 Minatojima-Nakamachi, Chuo-ku, Kobe 650-0046, Japan

Registered trademark:



4. *Authorised representative:*

TOA Electronics Europe GmbH
Süderstraße 282, 20537 Hamburg, Germany

5. *System of AVCP:*

System 1

6a. *Harmonised standard:*

EN 54-16: 2008 Fire detection and fire alarm systems
Part 16: Voice alarm control and indicating equipment

Notified body:

Centrum Naukowo-Badawcze Ochrony Przeciwpożarowej w Józefowie
Notified body number: 1438

7. List of declared performances

Essential characteristics of the product	Harmonised standard EN 54-16: 2008	Scope of essential characteristics regarding intended use of product
Performance under fire condition		
General requirements	4	Pass
General requirements for indications	5	Pass
Voice alarm condition	7	Pass
Voice alarm manual control (option with requirements)	10	Pass
Emergency microphone(s) (option with requirements)	12	Pass
Output power	16.4	Pass
Signal-to-noise ratio	16.5	Pass
Frequency response of VACIE without microphone(s)	16.6	Pass
Frequency response of VACIE with microphone(s)	16.7	Pass
Response delay (response time to fire)		
Reception and processing of fire signals	7.1	Passed
Delays to entering the voice alarm condition (option with requirements)	7.4	Not applicable
Output to fire alarm devices (option with requirements)	7.8	Not applicable
Emergency microphone(s) (option with requirements)	12	Pass
Operational reliability		
General requirements	4	Pass
General requirements for indications	5	Pass
Quiescent condition	6	Pass
Voice alarm condition	7	Pass
Fault warning condition	8	Pass
Disablement condition (option with requirements)	9	Not applicable
Interface to external control device(s) (option with the requirements)	11	Pass
Emergency microphone(s) (option with requirements)	12	Pass
Design requirements	13	Pass
Additional design requirements for software controlled VACIE	14	Pass
Durability of operational reliability: Temperature resistance		
Cold (operational)	16.8	Pass
Dry heat (operational)	16.9	Pass
Dry heat (endurance)	16.10	Pass
Durability of operational reliability: Impact and vibration resistance		
Impact (operational)	16.11	Pass
Vibration, sinusoidal (operational)	16.12	Pass
Vibration, sinusoidal (endurance)	16.13	Pass

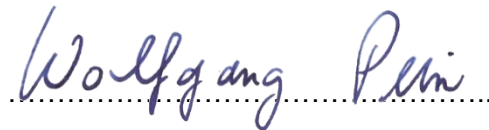
7. List of declared performances (continuation)

Durability of operational reliability: Electrical stability		
Supply voltage variation (operational)	16.14	Pass
Electromagnetic Compatibility (EMC), Immunity tests (operational)	16.15	Pass
Durability of operational reliability: humidity resistance		
Damp heat, steady state (operational)	16.9	Pass
Damp heat, steady state (endurance)	16.10	Pass

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the representative by: Wolfgang Pein (managing director)

Hamburg, 8.11.2021


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