



## EU Type Examination Certificate      CML 17ATEX1186X      Issue 0

- 1    Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2    Equipment      **VRVP2000 Series Smart Pressure Transmitter**
- 3    Manufacturer    **YW-VRV Industries Ltd.**
- 4    Address          138 Cannon Hill Lane,  
                         London, England,  
                         SW20 9ET
- 5    The equipment is specified in the description of this certificate and the documents to which it refers.
- 6    Certification Management Limited, Unit 1 Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK, Notified Body Number 2503, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.  
  
The examination and test results are recorded in the confidential reports listed in Section 12.
- 7    If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8    This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9    Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN 60079-0:2012+A11:2013

EN 60079-1:2014

EN 60079-31:2014

- 10    The equipment shall be marked with the following:



II 2 G D

Ex db IIC T4/T5/T6 Gb

Ex tb IIIC T80°C/T90°C/T130°C Db

Ta = -40°C to +60°C

*A Snowden*



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## 11 Description

The VRVP2000 Series Smart Pressure Transmitter is used to measure and transform the gauge pressure, differential pressure, absolute pressure into 4~20mA current signal or HART™ signal. The transmitter comprises a transmitter body and transmitter module. The transmitter body comprises a housing, manufactured from ADC12 aluminium alloy and either a window cover, short cover or long cover and has two flameproof compartments with electronic boards and terminals inside. The transmitter module is manufactured from stainless steel and contains cemented electronic components in a cement compound and pressure diaphragm capsule.

### Model Code

VRVP	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
																			Not related to Ex
																			Blank, V, S, N, F, P
																			N, 1, 2
																			N, A, D, B, E, G, H, I
																			N, 1, 2, 3
																			Blank, N, 1, 2
																			N, 1, 2
																			N, F, O, P
																			Blank, 1, 2,3, 4, 5, 6, R
																			Blank, N, F, P
																			Blank, N, B, U, D, V, LN, LB, LU, LD, RR, RN, RB, RU, RD
																			Blank, 1, 2, 3
																			A, B, C, D, E, F, G, T
																			Blank, 0, 1, 2, 7
																			A0, A7, B, C, D, F, 1B, 1C, 1D, 1F, 1G, 1H, 1I, 1L, 1M, 1O, G, H, I, R, S, L, M, O, T
																			U, A, B, C, D
																			1, 2,3



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## **12 Certificate history and evaluation reports**

<b>Issue</b>	<b>Date</b>	<b>Associated report</b>	<b>Notes</b>
0	14 May 2018	R2403A/00	Issue of the prime certificate.

Note: Drawings that describe the equipment or component are listed in the Annex.

## **13 Conditions of manufacture**

None.

## **14 Special Conditions for Safe Use (Conditions of Certification)**

The following conditions relate to safe installation and/or use of the equipment.

- 14.1 Contact the original equipment manufacturer for information regarding the flameproof joint dimensions.
- 14.2 The relation between temperature class and process medium temperature is as follows:

<b>Temperature class</b>		<b>Max. process temperature</b>
T4	T130°C	130°C
T5	T90°C	90°C
T6	T80°C	80°C

## Certificate Annex



**Certificate Number** CML 17ATEX1186X  
**Equipment** VRVP2000 Series Smart Pressure Transmitter  
**Manufacturer** YW-VRV Industries Ltd.

The following documents describe the equipment or component defined in this certificate:

### Issue 0

Drawing No	Sheets	Rev	Approved date	Title
RS-0101-00-00-70	1 of 1	A	14 May 2018	Nameplate
RS-0101-00-00-71	1 of 1	A	14 May 2018	Nameplate for Ex d & tb