

TEST REPORT

Sep. 20, 2018
Temp. 22 °C Humidity 66 %

1. Specification

Type	APOA-370	Serial No.	10HH1AF9
Power	AC 230V 50/60Hz		
Application	O3 in ambient air		
Ranges	0-0.1/0.2/0.5/1.0 ppm		
Outputs			

2. Testing results

(1). Appearance, dimension, construction -----

Good

(2). Performance -----

Good

A. Lower detectable limit (at Range-1, Zero Gas)

Note. %FS:% of full scale

Standard deviation × 2 (ppb)	0.102
Standard (within)	0.5 ppb

B. Repeatability (under the lowest range setting(0.1ppm)) *

Zero Greatest deviation (%FS)	0.2	/	-0.3
Span Greatest deviation (%FS)	0.5	/	-0.6
Standard (within)	± 1.0 %FS		

C. Accuracy of graduation (at minimum and maximum range 5 divide)

	4/5	3/5	2/5	1/5
R-min. Indication error (%FS)	-0.3	-0.7	-0.9	-0.8
R-max. Indication error (%FS)	-0.3	-0.7	-0.9	-0.7
Standard (within)	± 1.0 %FS			

D. Drift (under the lowest range setting (0.1ppm)) *

Zero drift /Week (%FS)	0.7	/	-0.6
Standard (within)	± 2.0 %FS		
Span drift /Week (%FS)	0.7	/	-0.4
Standard (within)	± 2.0 %FS		

E. Response time (under the lowest range setting (0.1ppm)) *

90% Response time (s)	60.0
Standard (within)	120 s

F. Interference effect (at Range-1)

Coexist. Gas	2.5% H ₂ O	1ppm C ₇ H ₈
Interfered Val. (ppb)	0.7	-0.1
Standard (within)	± 2.5 ppb	± 2.5 ppb

(3). Insulation resistance (More than 5MΩ / DC 1000V) -----

Good

(4). Accessories -----

Good

- | | | |
|-----------------------|------------------------------------|--------|
| 1. Power cord | (NR VM0307B-VM0304B 2.4M NON PB) | 1 pc. |
| 2. Filter Element | (PA-10L 54mm dia/24pcs.) | 1 set |
| 3. Test report | | 1 copy |
| 4. Instruction manual | | 1 copy |

* These inspection items (B.Repeatability D.Drift E.Response Time) are tested with the lowest range setting (0.1ppm) of each Analyser Model to check the performance.

3. Overall inspection -----

Good

Adjusted by : T. MurataInspected by : H. Nishikawa

H O R I B A, L t d.

RAPPORT DE TESTS

APOA-370

Nom du client : Université de la Réunion

pwd = 1234

Numéro de série : 10HH1AF9

Année de fabrication : 2018

Pression atmosphérique : 1007 hPa

Concentration span O₃ : 151,6 ppb

Facteurs calibration : O₃ ZERO 0

O₃ SPAN 1

Débit échantillon 0,6 L/min

Sorties analogiques 0-1 V / 0-10V / 4-20 mA / Non

Sortie RS232 Oui Non

Sortie ethernet Oui Non

Equipement de contrôle et de calibration

Equipement	Numero d'inventaire
Multimètre	MMR19
Oscilloscope	OSC 03
Calibrateur / Système à dilution / GPT	CAA01

DATE : 19/08/2020

Analyseur contrôlé par : YIL

Rapport contrôlé par : PL

