



Appendix I

Landfill Gas Monitoring Equipment Calibration Certificate



路達國際有限公司

ROTTER INTERNATIONAL LIMITED

香港新界葵涌葵昌路58-70號永祥工業大廈10樓B室

Unit B, 10/F., Wing Cheung Industrial Building, 58-70 Kwai Cheong Road, Kwai Chung, New Territories, HK

Tel: (852) 2751 7770 Fax: (852) 2756 2051 E-mail: rotter@rotter.com.hk

Calibration Report - Gas Detector

PGM-2500 (QRAE III) --- LEL/O2/CO/H2S

UNIT INFORMATION :

| | | | | | |
|-----------|---------------------------------|------------|-------------|------------|---------------|
| Customer: | Penta Ocean Construction Co Ltd | Serial # : | M02A001708 | Model : | QRAE III |
| | | Firmware : | V2.14 | Sensor : | LEL/O2/CO/H2S |
| | | Cal date : | 28-Jul-2023 | Inspected: | Teddy |

SENSOR DATA :

| | LEL sensor (ME) | O2 sensor | CO sensor (Tox1) | H2S sensor (Tox2) |
|---------------------------|-----------------|-------------|------------------|-------------------|
| Calibration dates: | 28-Jul-2023 | 28-Jul-2023 | 28-Jul-2023 | 28-Jul-2023 |
| After Calibration levels: | 51% | 18.10% | 50 ppm | 10.0 ppm |
| Alarm levels (Low): | 10.00% | 19.50% | 35 ppm | 10 ppm |
| Alarm levels (High): | 20.00% | 23.50% | 200 ppm | 20 ppm |
| TWA Level : | -- | -- | 35 ppm | 10 ppm |
| STEL Level : | -- | -- | 100 ppm | 15 ppm |

Status:

| | | | |
|------------|-----|------------|---------|
| Pump Speed | Low | Back Light | Manual |
| Clock | Yes | Measure | Average |

LEL Gas Selection

| | | | |
|---------------------|----------------|---------------------|---------|
| LEL Calibration Gas | Methane | LEL measurement Gas | Methane |
| LEL Custom Gas | LEL_custom_gas | LEL Custom Factor | 1.0 |

Gas types used : 4-Gas Mix: (18% O2, 50ppm CO, 10ppm H2S, 50% LEL CH4, BAL N2) Gas lot :302-402538759-74

*** Fresh Air Calibration is highly recommended to proceed prior for measurement each time.

Replaced Parts:

Notes:

The unit was calibrated and checked under good working condition

**Next calibration due on or before 27 July 2024

Serviced by Teddy Wong
Rotter International Ltd



PROMAT (HK) LTD

寶時(香港)有限公司

901 New Trend Centre, 704 Prince Edward Road East, San Po Kong, Kowloon, HK
Tel.: 2661 2392 Fax.: 2661 2086 email : sales@promat.hk http://www.promat.hk/



Your Solution To Testing Instrument

VERIFICATION CERTIFICATE OF CO2 Analyzer

Report No. : 22040
Date : 17/11/2022
Client : Penta Ocean Concentric JV

EQUIPMENT TO BE VERIFIED

Equipment Name : CO2 Analyzer
Supplier : TES
Model No. : 1307H
Serial No. : 200901259
Date of Verification : 17/11/2022
Due Verification : 16/11/2023

VERIFICATION DEVICES USED

| | | |
|---------------------|----------------|--------------|
| Reference Equipment | : CO2 in N2 | CO2 in N2 |
| Supplier | : NorLab | NorLab |
| Model No. | : H1013500PN | H1013.3VN |
| Lot # | : 0-353-790 | 1-006-27 |
| Expiry date | : 12/2/2024 | 10/3/2025 |
| Accuracy | : Within +/-2% | Within +/-2% |

ENVIRONMENTAL CONDITION

Ambient Temp : 25°C
Relative Humidity : 57%

Verification Result

| Test Number | Concentration (Mole%) | Results |
|-------------|-----------------------|---------|
| Test 1 | 500ppm | 505ppm |
| Test 2 | 0.50% | 0.52% |

Remarks

- 1 The Gas reference used in this verification has traceable accuracy to Manufacturer Standard
- 2 The above equipment was operated by the competent person
- 3 Promat is Registered ISO9001:2015 Quality Management System in Sales, Repair and Calibration Services

Certification

Verification by

Ms. Ning Lee / Service Coordinator

Checked by

Mr. Hei Kong / Technical Engineer

Calibration Certificate

Cert. Ref. No.: BW/XT/3RD/17974

Date: 2022 09 02

Customer: Renopipe Construction Company Limited

Purchase Order No.: SME-C-20-21-6/2020-76554

九龍觀塘海濱道133號萬兆豐中心6樓K2室

Date: 2020 07 07 INVOICE NO: AP

Email: damonhuang@renopipe.com.hk

Attn: Damon Huang

Tel: 3998 3193

Fax: 3998 3225

Mobile Phone

User Details:

Gas Detector Model: XT-XWHM-Y-OR

Serial No.: MA220-012709

Pump S/N: 420373

Calibration Record:

| Inspection before calibration | Visual inspection | Functional Test |
|--|-------------------|-----------------|
| Basic Unit - Case, Clip & Display etc. | OK | OK |
| Battery and charge etc. | OK | OK |
| Motorized Pump | OK | OK |
| Other items | | |

| Type of Sensor | Expiry Date |
|-------------------------|-------------|
| Oxygen Sensor | |
| CO & H2S Sensor | |
| Combustible(LEL) Sensor | |

| Type of calibration | Date of calibration | H2S (ppm) | CO (ppm) | O2 (%) | LEL (%) |
|-----------------------|---------------------|-----------|----------|--------|---------|
| 3rd Calibration | 2022 09 02 | 25 | 100 | 18 | 50 |
| Result of Calibration | | OK | OK | OK | OK |

Calibration Cost: (As per attached invoice) F.O.C

Calibration remarks: Oxygen sensor replaced by new one
Warranty : Oxygen Sensor 1 years warranty

Next calibration date of this instrument will be : 2023 09 02

IMPORTANT NOTES TO BW GAS DETECTOR USERS

USERS MUST READ THE OPERATOR'S MANUAL THOROUGHLY BEFORE OPERATING THIS EQUIPMENT AND FOLLOW THEIR OWN SAFETY SUPERVISOR'S INSTRUCTION TO WORK.

All gas detection instrumentation on the market requires periodic calibration to accurately measure gas. Calibration is only as accurate as the test gas used. BW Technologies quality test gases are made to the highest accuracy and trace-ability to N. I.S.T. Standards.



Calibrated By: Sara Tse

Service Hotline: 2592 2120 Ms. Tse - Service Dept.

Asia Pacific Industrial Safety Equipment

Unit B, 1/F., Hing Yip Centre, 31 Hing Yip Street,
Kwun Tong, Kowloon, Hong Kong
Tel: 2592 2100 Fax: 3165 8960

Asia Technologies

亞洲科技