

CERTIFICATION OF CALIBRATION



Date Of Calibration: 05-Aug-2019

Certificate Number: G505522_1/23690

Issued by: QED Environmental Systems Ltd.

Customer: Enitial Projects Limited
Enterprise Drive Four Ashes Wolverhampton
Staffordshire WV10 7DE UNITED KINGDOM

Description: Gas Analyser

Model: GA5000

Serial Number: G505522

UKAS Accredited results:

Methane (CH ₄)		
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
5.0	4.9	0.41
15.0	14.9	0.64
50.0	49.4	0.94

Carbon Dioxide (CO ₂)		
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
5.0	4.9	0.43
15.0	14.8	0.70
50.0	50.2	1.1

Oxygen (O ₂)		
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
21.1	21.2	0.31

All concentrations are molar.

CH₄, CO₂ readings recorded at : 32.9 °C ± 2.5 °C

O₂ readings recorded at : 23.8 °C ± 2.5 °C

Barometric Pressure : 0997 mbar ± 4 mbar

Method of Test : The analyser is calibrated in a temperature controlled chamber using a series of reference gases, in compliance with procedure LP004.

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Calibration Instance:104 IGC Instance:103

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www.qedenv.com +44 (0) 333 800 0088 sales@qedenv.co.uk

QED Environmental Systems Ltd. Cyan Park - Unit 3, Jimmy Hill Way, Coventry, CV2 4QP, UNITED KINGDOM

Registered in England and Wales 1898734

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The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

Calibrations marked 'Non-UKAS Accredited results' on this certificate have been included for completeness.

Non-UKAS accredited results after adjustment:

Barometer (mbar)	
Reference	Instrument Reading
997	997

Additional Gas Cells		
Gas	Certified Gas (ppm)	Instrument Reading (ppm)
CO	519	522
H ₂ S	251	251

Internal Flow	
Applied (l/hr)	Instrument Reading (l/hr)
5.0	4.9
10.0	9.9

Date of Issue : 06-Aug-2019

Approved by Signatory

Graham Ingles

Laboratory Inspection

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

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SERVICE REPORT



Issued by: QED Environmental Systems Ltd.

Customer Name: Enital Projects Limited

Model: GA5000

Part Number: GA5K0AC0-101

Serial Number: G505522

Date of Service: 06-Aug-2019

Service Engineer: Mustafa Ghalaboun

Calibration Engineer: Suk Balrey

Verification / Approved By: Graham Ingles

Signature:

Reason for Return (inc. Customer Comments):

Returned for full service and calibration. No documentation received from the client.

Service Comments/Feedback:

Thank you for returning your gas analyser to the Geotech Service Centre for full service and calibration. We are pleased to inform you that the analyser was received and fully assessed by one of our experienced Service Engineers and no significant faults or issues were observed during the assessment. Our extensive service was carried out, and any necessary components replaced. The analyser has successfully passed all of our rigorous testing and quality checks and has been calibrated using our bespoke, state of the art calibration facility.

For further information about how to get the best use from your instrument please visit our YouTube channel <http://www.youtube.com/GeotechTV> and on our Website <http://www.geotechuk.com>

If you require any further assistance with your instrument please email our Technical Support Team at technical@geotech.co.uk or call us on +44 1926 338111 (Monday to Thursday 08.30 - 17.00 & Friday 08.30 - 15.30) UK time zone.

Next Service Due: 05-Feb-2020

17025

Our ISO accreditation for our customised auto-calibration facilities

5

Number of days we aim to complete your service within

50

Number of checks instruments are subject to when serviced

65

Number of countries from which we service instruments /accessories each year

7,384

Number of calibrations completed in last 12 months

340

Minimum number of service instruments we process each month

25

Cost (in £) of fully insured analyser collection for our UK customers

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SERVICE REPORT



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17025

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Number of countries from
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Minimum number
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Cost (in £) of fully insured
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