TEST DATE AND CONDITIONS	
Date	9.3.17
Atmospheric Pressure	1001 mB
Ambient Temp	23.9 °C
Environics Serial No.	N/A

GAS DATA LTD
Pegasus House
Seven Stars Estate
Wheler Rd
Coventry
CV3 4LB
Tel 02476303311 Fax 02476307711

GFM436-1 OUTWARD INSPECTION & QUALITY CHECK SHEET

INSTRUMENT DETAILS			
SO Number	Instrument Type	Instrument Serial Number + SW Version	Job Number(s)
316370	GFM436	12222-9436-00.0027/0009	12222 030217

Calibration Technician ..... **Date** 9.3.17

Inspection Technician ..... **Date** 13.3.17

INSTRUMENT CHECKS		Pass (P), Fail (F) or not applicable (NA)
Function Tests	Dust Caps Fitted	P
	Keyboard Test (All Keys)	P
	Backlight	P
	Clock Set / Running	P
	Comms Test	P
	Pump Flow Test (In & Out)	P
	Overall Leak Test (30mB)	P
	Battery Charge Test	P
	Service Date set to?	9.3.2018
Channel Tests	Data Logging Enabled?	P
	Verify CH4/LEL/Hexane/PID	P
	Verify CO2	P
	Verify O2	P
	Verify H2S	P
	Verify CO	P
	Verify LEL	P
	Verify 1st Option Gas	N/A
	Verify Atmospheric pressure	P
	Verify differential pressure	P
	Verify flow	P
	Verify temperature probe input	P
	Verify vane anemometer input	P
DataBase Checks	Jobcard(s) completed and signed	P
	Jobcard(s) booked off database	P
	Calibration certificate completed	P
	Complete & print QI record	N/A
Label Checks	No. of Calibration label fitted	QOC 08044
	MCERTS label displayed	P
	Warranty label fitted	P
H2S Range	H2S Range from Sales Order	5000 PPM
	H2S Range from Cal Cert	5000 PPM
	Over-range value correct?	P

INSTRUMENT PACKING LIST		Tick if included
Instrument		✓
Leather Case		✓
Instrument Strap		✓
AC Battery Charger (UK)		✓
AC Battery Charger (EURO)		N/A
AC Battery Charger (US)		N/A
AC Battery Charger (AUS)		N/A
Gas Sample Pipe		✓
Hard Carry Case		✓
Spares Pot		✓
Allen Key		X
Flow Sample Pipe		✓
Temperature Probe		X
Vane Anemometer		X
USB Cable		✓
USB Memory stick		✓
SM V5 Software	Ver 6.06	X
Internal Filter Pack	Qty	X
External Filter Pack	Qty	X
Field Guide		X
Extra Items:		

Comments:

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GFM436-1 FINAL INSPECTION & CALIBRATION CHECK CERTIFICATE

INSTRUMENT DETAILS	
Serial No	Customer
1222	Geotechnics Limited (Chester)

INSTRUMENT CHECKS			
Keyboard	✓	Pump Flow	500 cc/min
Display Contrast	✓	Pump Flow @ -200mB	300 cc/min
Clock Set / Running	✓	S/W Version	G436-00.0027/0009
Labels Fitted	✓	Recalibration Date	09/03/2018

GAS CHECKS							
Calibration Gas		Instrument Gas Channels Read					
Gas Type	Applied Conc.	CH4 (%)	tol. (% vol.)	CO2 (%)	tol. (% vol.)	O2 (%)	tol. (% vol.)
N2	100%	0.0	0.0	0.0	0.0	0.1	+/-0.1
CH4	5%	4.9	+/-0.3	0.0	0.0	0.0	+/-0.1
	60%	59.7	+/-3.0	0.0	0.0	0.0	+/-0.1
CO2	5%	0.0	0.0	5.0	+/-0.3	0.0	+/-0.1
	40%	0.0	0.0	39.7	+/-3.0	0.0	+/-0.1
O2	20.9%	0.0	0.0	0.0	+0.1	20.9	+/-0.5

OPTIONAL GAS CHECKS								
Calibration Gas		Instrument Gas Channels Read						
Gas Type	Applied Conc.	Label	H2S	CO			Hexane	tol. (% vol.)
		Range	5000ppm	2000ppm			2.00%	
N2	100%		0	0			0	+/- 5.0
H2S	1500ppm		1500	0				+/- 5.0
CO	1000ppm		70	999				+/- 5.0
Hexane	2.00%						1.99	+/- 10.0

PRESSURE CHECKS							
Calibration Pressure		Instrument Pressure Channels Read					
Pressure @	Applied Pressure	Atmospheric [Ap] (mB)	tol. (mB)				
All Ports	Current Atmospheric	1001	+/-2.0				
Ap Port (Internal)	+800mB(a)	801	+/-5.0				
	+1200mB(a)	1200	+/-5.0				

TEST DATE AND CONDITIONS	
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GFM436-1 FINAL INSPECTION & CALIBRATION CHECK CERTIFICATE

FLOW CHECKS					
Calibration Flow		Instrument Flow Channels Read			
Applied Flow (l/hour)	Applied Pressure (Pa)	Flow [Flow] (l/hour)	tol. (l/hour)	Differential Pressure [Dp] (Pa)	tol. (Pa)
-30.0	-508	-30.1	+/-3.0	-516	+/-50
-3.0	-28	-3.1	+/-1.0	-30	+/-6
0.0	0.0	0.0	0.0	0.0	0.0
+3.0	21	3.1	+/-0.5	22	+/-3
+30.0	344	30.0	+/-3.0	345	+/-50
+60.0	953	59.7	+/-6.0	957	+/-130
+90.0	1793	92.1	+/-9.0	1818	+/-250

TEMPERATURE CHECK		
Calibration Temperature	Instrument Temperature Channel Read	
Applied Equivalent Temperature (°C)	Temperature [Temp] (°C)	tol. (°C)
-10.0	-10.0	+/- 2.0
0.0	0.0	+/- 1.0
30.0	30.0	+/- 1.0
60.0	60.0	+/- 1.0
100.0	100.5	+/- 1.0

Notes:

The instrument identified by the serial number stated above has been tested by Gas Data personnel for calibration accuracy on the date and under the ambient conditions stated. Gas Data Ltd internal BS EN ISO9001:2015 compliant workshop procedures were followed to apply known calibration test gases, gas flow rates, pressures and temperatures of the values stated. The results displayed on the instrument at each stage are recorded above.

Gas Data Ltd is certified to BS EN ISO9001:2015. Certificate NQA 8374. Valid until 22/03/2019