

TEST DATE AND CONDITIONS			
Date		18/10/2024	
Atmospheric Pressure		995	mB
Ambient Temperature		21.9	°C
EnviroNics Serial No.		5089	

**GFM430 Final Inspection & Calibration
Check Certificate**

GAS DATA LTD	
Unit D	
Earlplace Business Park	
Fletchamstead Highway	
Coventry	
CV4 9XL	

Customer	ARC Environmental Ltd
Certificate Number	125617
Order Number	339922

Serial Number	10044
Software Version	G430-00.0024/0013

Recalibration DUE Date
18/10/25

Instrument Checks					
Keyboard	✓		Display Contrast	✓	
Pump Flow In	500	Accept > 200 cc/min	Pump Flow @ -200mB	300	Accept > 200 cc/min
Clock Set / Running	✓		Labels Fitted	✓	

Gas Checks						
Sensor	CH ₄		CO ₂		O ₂	
	Instrument Gas	True Gas Value %	Instrument Gas	True Gas Value %	Instrument Gas	True Gas Value %
	Readings %		Readings %		Readings %	
	60.3	60	39.5	40	20.9	20.9
	Accept ±3.0		Accept ±3.0		Accept ±0.5	
	5.0	5	5.0	5	6.0	6
	Accept ±0.3		Accept ±0.3		Accept ±0.3	
Zero Reading 100% N ₂	0.0	0	0.0	0	0.0	0
	Accept ±0.0		Accept ±0.0		Accept ±0.1	

Optional Gas Checks						
Applied Gas & Range		Concentration Tested @ (ppm)	Instrument Readings (ppm)			
Toxic Gas	Range (ppm)		Zero Reading		Instrument Gas Reading	
H ₂ S	2000	1500	0	Accept ±0.0	1500	Accept ±5.0%
CO	2000	1000	0	Accept ±0.0	1001	Accept ±5.0%

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GAS DATA LTD
Unit D
Earlplace Business Park
Fletchamstead Highway
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GFM430 -1 OUTWARD INSPECTION & QUALITY CHECK SHEET

INSTRUMENT DETAILS			
SO Number	Instrument Type	Instrument Serial Number + SW Version	Job Number(s)
339922	GFM430	10044 G430-24/13	128617

Calibration Technician

Date 18.10.24

Inspection Technician

Date 21.10.24

INSTRUMENT CHECKS		Pass (P), Fail (F) or not applicable (NA)	INSTRUMENT PACKING LIST		Tick if included
Function Tests	Dust Caps Fitted	P	Instrument		✓
	Keyboard Test (All Keys)	P	Leather Case		✓
	Backlight	P	Instrument Strap		✓
	Clock Set / Running	P	AC Battery Charger (UK)		✓
	Comms Test	P	AC Battery Charger (EURO)		X
	Pump Flow Test (In & Out)	P	AC Battery Charger (US)		X
	Overall Leak Test (30mB)	n/a	AC Battery Charger (AUS)		X
	Battery Charge Test	P	Hard Carry Case		✓
	Service Date set to?	18.10.25	Gas Sample Tube – (new issue)		✓
Channel Test	Data Logging Enabled?	P	Flow Sample Tube – (new issue)		✓
	Verify CH4/LEL	P	Spares Pot		X
	Verify CO2	P	Allen Key		X
	Verify O2	P	Temperature Probe		X
	Verify LEL	P	Vane Anemometer		X
	Verify 1 st Option Gas	429	USB Cable		X
	Verify 2 nd Option Gas	CO	USB Memory stick		X
	Verify 3 rd Option Gas	N/A	SiteMan Software	Ver 4.15	X
	Verify 4 th Option Gas	N/A	Internal Filter Pack	Qty	X
	Verify Atmospheric pressure	P	External Filter Pack	Qty	X
	Verify static pressure	N/A	Field Guide		X
	Verify differential pressure	P	Extra Items: Sample Tube		X
	Verify flow	P			
	Verify temperature probe input	P			
DataBase Checks	Verify vane anemometer input	P	Comments:		
	Jobcard(s) completed and signed	P			
	Jobcard(s) booked off database	P			
	Calibration certificate completed	P			
Label Checks	Complete & print QI record	n/a			
	No. of Calibration label fitted	GDC 13582			
H2S Range	Warranty label fitted	P			
	H2S Range from Sales Order	2000 ppm			
	H2S Range from Cal Cert	2000 ppm			
QA Cylinders Used	Over-range value correct?	P			
	No. of High Range CH4/CO2	57487			
	No. of Low Range CH4/CO2/O2	56982			
	No. of H2S	6037292			
	No. of CO	58346			
	No. of Optional Cylinder	N/A			
	No. of Optional Cylinder	N/A			