

Schedule of Accreditation



Organisation Name	Flow Meter Systems Ireland Ltd
INAB Reg No	77C
Contact Name	John Ferris
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Website	http://www.flowmeter.ie
Accreditation Standard	ISO 17025 C
Date Initially Awarded	23/12/2002
Scope Classification	Metrology
Services available to the public ¹	Yes

¹ Refer to document on interpreting INAB Scopes of Accreditation

Sites from which accredited services are delivered	
(the detail of the accredited services delivered at each site are on the Scope of Accreditation)	
Name	Address
1 Head Office	IDA Industrial Estate, Quartertown, Mallow, Cork, P51 CC62

Scope of Accreditation

Head Office

Metrology

Category: A

Metrology field - Calibrated Device Type	Measured quantity	Calibration range	Calibration and measurement capability (CMC)	Std. ref/SOP	Products	Remarks		
105 Flow - .04 Gas meters	Flow Rate	1 l/min to 100 l/min	0.52%	QT008 Calibration of Mass Flowmeters	Gas Mass Meters			
			0.59%	QT008 Calibration of Volume Flowmeters	Gas Volume Meters			
		5 ml/min to 500 ml/min	0.43%	QT008 Calibration of Mass Flowmeters	Gas Mass Meters			
			0.52%	QT008 Calibration of Volume Flowmeters	Gas Volume Meters			
		50 ml/min to 5 l/min	0.43%	QT008 Calibration of Mass Flowmeters	Gas Mass Meters			
			0.52%	QT008 Calibration of Volume Flowmeters	Gas Volume Meters			
		6 l/min to 500 l/min	0.72%	QT008 Calibration of Mass Flowmeters	Gas Mass Meters			
			0.73%	QT008 Calibration of Volume Flowmeters	Gas Volume Meters			
		105 Flow - .11 Liquid meters		0.1 kg/sec to 30 kg/sec	0.15%	QT002 Calibration of Flowmeter (Mass). Balance Test Line 1500 Kg.	Mass Flowmeters	
					0.15%	QT002 Calibration of Flowmeter (Volume) Balance Test Line 1500 Kg.	Liquid Flowmeters	
0.2 kg/min to 50 kg/min	0.10%			QT005 Calibration of Flowmeters (Mass). Balance Test Line 150 Kg. Standing Start & Stop	Mass Flowmeters			
	0.13%			QT005 Calibration of Flowmeters (Mass). Balance Test Line 150 Kg. Flying Start & Stop, Flowrate Indicator.	Mass Flowmeters			
0.2 l/min to 50 l/min	0.12%			QT005 Calibration of Flowmeters (Volume). Balance Test Line 150Kg. Standing Start & Stop	Liquid Flowmeters			
	0.15%			QT005 Calibration of Flowmeters (Volume). Balance Test Line 150Kg. Flying Start & Stop, Flowrate Indicator.	Liquid Flowmeters			

* Notes:
1. All calibrations must be carried out in accordance with procedures agreed by INAB.

2. *In accordance with INAB policy, uncertainties are calculated for an estimated confidence level of not less than 95%*
3. *Volume calibration can be undertaken using Water or Milk as the Calibration Medium.*
4. *Mass calibration can be undertaken using any suitable liquid.*
5. *Calibration and Measurement Capability Expressed as an Uncertainty (\pm) to be reported in compliance to clause 6.3 of EA-4/02 "Expression of the Uncertainty of Measurement in calibration".*
6. *For meters calibrated using a mA output, uncertainty to be added with 0.1%*
7. *Excluding ultrasonic portable "clamp on" flow measuring devices*

Metrology field - Calibrated Device Type	Measured quantity	Calibration range	Calibration and measurement capability (CMC)	Std. ref/SOP	Products	Remarks		
105 Flow - .04 Gas meters	Flow Rate	1 l/min to 100 l/min	0.52%	QT008 Calibration of Mass Flowmeter	Gas Mass Meters			
			0.59%	QT008 Calibration of Volume Flowmeters	Gas Volume Meters			
		5 ml/min to 500 ml/min	0.43%	QT008 Calibration of Mass Flowmeter	Gas Mass Meters			
			0.52%	QT008 Calibration of Volume Flowmeters	Gas Volume Meters			
		50 ml/min to 5 l/min	0.43%	QT008 Calibration of Mass Flowmeters	Gas Mass Meters			
			0.52%	QT008 Calibration of Volume Flowmeters	Gas Volume Meters			
		6 l/min to 500 l/min	0.72%	QT008 Calibration of Mass Flowmeters	Gas Mass Meters			
			0.73%	QT008 Calibration of Volume Flowmeters	Gas Volume Meters			
		105 Flow - .11 Liquid meters		0.003 kg/sec to 16.7 kg/sec	0.20%	QT003/QT004 using mobile test rig (mass)	Mass Flowmeters	
				0.003 l/sec to 16.7 l/sec	0.25%	QT003/QT004 using mobile Test Rig (Volume)	Liquid Flowmeters	
160 l/min to 400 l/min	0.10%			QT001 Flowmeters on Road Tankers	Flow meters on road tankers			

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1. All calibrations must be carried out in accordance with procedures agreed by INAB.
2. In accordance with INAB policy, uncertainties are calculated for an estimated confidence level of not less than 95%
3. Volume calibration can be undertaken using Water or Milk as the Calibration Medium.
4. Mass calibration can be undertaken using any suitable liquid.
5. Calibration and Measurement Capability Expressed as an Uncertainty (\pm) to be reported in compliance to clause 6.3 of EA-4/02 "Expression of the Uncertainty of Measurement in calibration".
6. For meters calibrated using a mA output, uncertainty to be added with 0.1%
7. Excluding ultrasonic portable "clamp on" flow measuring devices