



Liquid Flow measurement & calibration

Our flow measuring equipment incorporate high accuracy, mass flow meters. Utilising our team of specialist flow engineers, we can provide clients with a service to validate or calibrate all types of liquid flow meters to a high degree of accuracy, in the required units of measurement. This process can be carried out off-site or on-site, where it can also be used to highlight any issues caused by meter selection, corrosive processes or installation factors.

Our services are :-

- » Highly cost effective
 - » Environmentally friendly
 - » Efficient, reduced plant 'down time'
 - » Safe media, no risk to personnel or plant
 - » Results traceable to International Standards
 - » Accurate to 0.2% of flow reading
- » Capable of Measuring:
 - > Mass flow rates
 - > Volumetric flow rates
 - > Batch totals
 - » We are also able to undertake Failure Investigations and any associated repairs that may be required.



Why you should choose Knowsley Instrument Services to service your flow meters?

Highly Cost Effective

Customers usually have to return their flow meters to the manufacturer, resulting in excessive down time or the need to have expensive spare meters to continue production.

Less Down Time

On-site calibration or calibration at our workshops, keeps plant down time to a minimum. Our specialist flow engineers can calibrate on average between 6 and 10 meters a day.

Improved Management Information

Our Instrument Management System allows you to login and review instrument data allowing you to schedule maintenance, view performance trends and print off your own calibration certificates/failure reports. You can access all this information via the client login section on www.envogen.co.uk web site.

Traceability

All the flow rig systems are regularly calibrated enabling results to be traceable to International Standards.

Repair or Replacements of failed units

We offer highly competitive pricing on repairs and on the supply of new units. Our service includes a quick turn-round time and extensive after sales/on-site technical support, if required.

Environmentally Friendly

All calibrations are carried out using the site's own clean water to ensure the risk of cross contamination is kept to a minimum. By re-circulating water from our tank, there is minimal water waste and any contaminated water can be disposed of in the appropriate manner.

Capability

The Flow Measurement Rigs have a pumping capacity of up to 45,000 kg/hr and this can be increased to a maximum of 50,000 kg/hr by utilising the customer's own mains water supply, if necessary.

True Performance

When calibrated (in-situ), the meters remain mounted as they would during normal operation, enabling installation factors, such as plant vibration, to be accounted for during the calibration.

Accuracy

Numerous point readings are taken to guarantee accurate calibration throughout the range of the meter being calibrated. Our rigs are accurate to +/-0.2% of the given flow reading, density correction to 0.001g/cm³ and temperature correction to 0.1°C.

For Sales or further information contact our Sales Engineering Team